

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\  
 Data File : VN055092.D  
 Acq On : 17 Apr 2019 8:59  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/19/2019 12:21:18 PM

Quant Time: Apr 18 08:21:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 15 12:28:28 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 433921   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 659222   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 586828   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 251195   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.02   | 65  | 264404   | 45.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.68%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 220681   | 50.09 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.18% |      |
| 50) Toluene-d8            | 10.09  | 98  | 822185   | 52.14 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.28% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 278702   | 54.37 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.74% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 224369  | 45.499  | ug/l | 100    |
| 3) Chloromethane              | 2.06 | 50  | 284777  | 44.276  | ug/l | 98     |
| 4) Vinyl Chloride             | 2.19 | 62  | 236576  | 43.761  | ug/l | 99     |
| 5) Bromomethane               | 2.56 | 94  | 133689  | 43.712  | ug/l | 97     |
| 6) Chloroethane               | 2.71 | 64  | 130919  | 44.906  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 306637  | 45.353  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 93366   | 43.261  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 164972  | 46.625  | ug/l | 98     |
| 10) Methyl Iodide             | 3.94 | 142 | 236493  | 43.071  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.81 | 59  | 65088   | 205.872 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 149133  | 43.302  | ug/l | 100    |
| 13) Acrolein                  | 3.60 | 56  | 85772   | 219.484 | ug/l | 97     |
| 14) Allyl chloride            | 4.31 | 41  | 385772  | 45.760  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 402020  | 212.532 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 405497  | 259.019 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.04 | 76  | 486630  | 43.771  | ug/l | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 190486  | 42.149  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 541897  | 43.985  | ug/l | 100    |
| 20) Methylene Chloride        | 4.54 | 84  | 236941  | 43.054  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96  | 204245  | 43.848  | ug/l | 91     |
| 22) Diisopropyl ether         | 5.96 | 45  | 809419  | 46.706  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 2698459 | 235.570 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.84 | 63  | 423266  | 45.864  | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 551418  | 236.002 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 289923  | 49.774  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.82 | 96  | 242935  | 46.099  | ug/l | 99     |
| 28) Bromochloromethane        | 7.19 | 49  | 201949  | 45.395  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.22 | 42  | 312495  | 203.951 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 411271  | 45.879  | ug/l | 100    |
| 31) Cyclohexane               | 7.65 | 56  | 383855  | 46.970  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 328364  | 46.234  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 305990  | 49.239  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.94 | 43  | 214206  | 42.340  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 279770  | 47.319  | ug/l | 100    |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 4/19/2019 12:21:18 PM

Quant Time: Apr 18 08:21:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 15 12:28:28 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 336630   | 49.989   | ug/l  | 99       |
| 40) Benzene                    | 8.04  | 78   | 917310   | 48.977   | ug/l  | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 122257   | 43.533   | ug/l  | 98       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 307770   | 47.329   | ug/l  | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 363661   | 46.649   | ug/l  | 99       |
| 44) Trichloroethene            | 8.83  | 130  | 232206   | 49.498   | ug/l  | 100      |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 257132   | 49.227   | ug/l  | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 141251   | 47.510   | ug/l  | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 308115   | 50.266   | ug/l  | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 180253   | 46.650   | ug/l  | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 39706    | 1096.834 | ug/l  | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1034838  | 229.775  | ug/l  | 99       |
| 52) Toluene                    | 10.15 | 92   | 547688   | 51.056   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 284833   | 53.172   | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 355956   | 53.539   | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 192992   | 46.696   | ug/l  | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 249712   | 50.345   | ug/l  | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 344837   | 49.006   | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 466749   | 215.783  | ug/l  | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 694975   | 245.682  | ug/l  | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 212833   | 52.737   | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 188641   | 49.590   | ug/l  | 97       |
| 64) Tetrachloroethene          | 10.63 | 164  | 224306   | 47.006   | ug/l  | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 570628   | 48.308   | ug/l  | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 215068   | 49.503   | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1040336  | 49.317   | ug/l  | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 773999   | 101.326  | ug/l  | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 375652   | 50.774   | ug/l  | 100      |
| 70) Styrene                    | 11.96 | 104  | 638101   | 53.282   | ug/l  | 100      |
| 71) Bromoform                  | 12.13 | 173  | 130745   | 52.504   | ug/l  | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1002501  | 44.975   | ug/l  | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 285979   | 45.576   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 235884   | 39.548   | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 191741m  | 42.448   | ug/l  |          |
| 77) Bromobenzene               | 12.53 | 156  | 244694   | 44.033   | ug/l  | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 1147025  | 47.628   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 687106   | 45.742   | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 836174   | 46.485   | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 52803    | 46.745   | ug/l  | 96       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 676409   | 48.264   | ug/l  | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 702865   | 46.267   | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 821744   | 48.204   | ug/l  | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 917164   | 47.380   | ug/l  | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 813212   | 48.967   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 414664   | 49.092   | ug/l  | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 402423   | 49.961   | ug/l  | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 679309   | 55.100   | ug/l  | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 131310   | 48.593   | ug/l  | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 405033   | 47.659   | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 31238    | 42.531   | ug/l  | 95       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

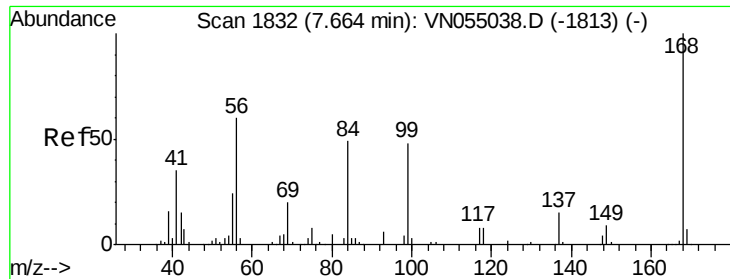
MMDadoda  
4/19/2019 12:21:18 PM

Quant Time: Apr 18 08:21:12 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041519W.M  
Quant Title : SW846 8260  
QLast Update : Mon Apr 15 12:28:28 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 188007   | 48.867 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 135298   | 51.544 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 369059   | 41.508 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 182934   | 55.798 | ug/l  | 100      |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 433921

Ion Ratio Lower Upper

168 100

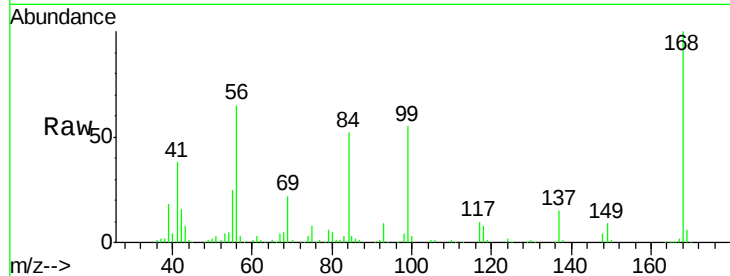
99 54.4 41.9 62.9

Manual Integrations

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4/19/2019 12:21:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

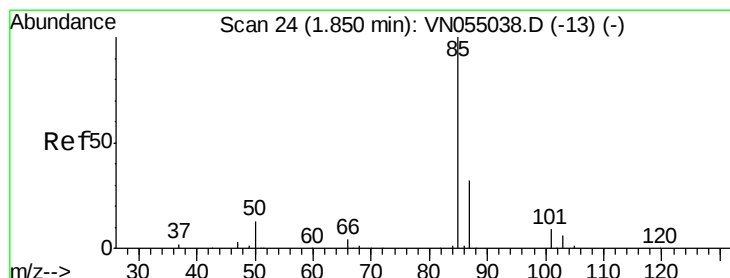
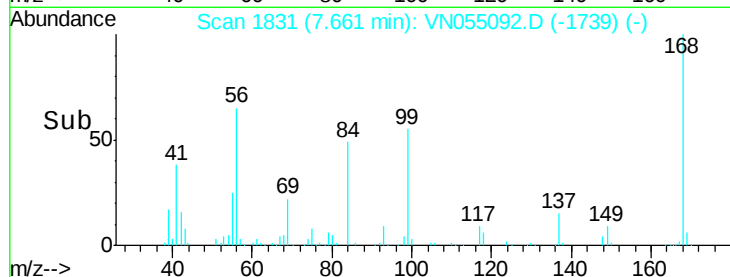
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.499 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055092.D

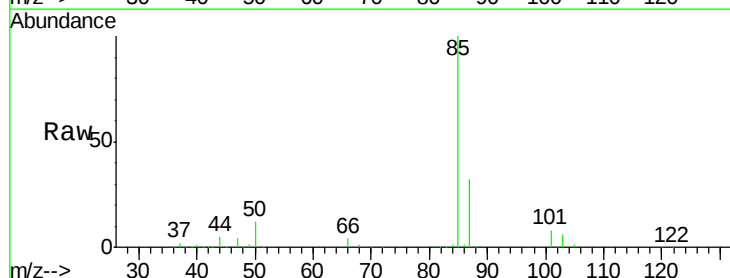
Acq: 17 Apr 2019 8:59

Tgt Ion: 85 Resp: 224369

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

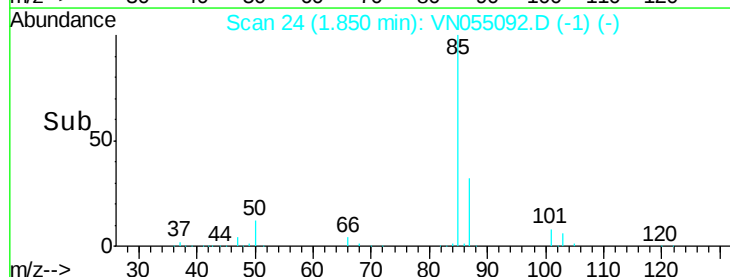
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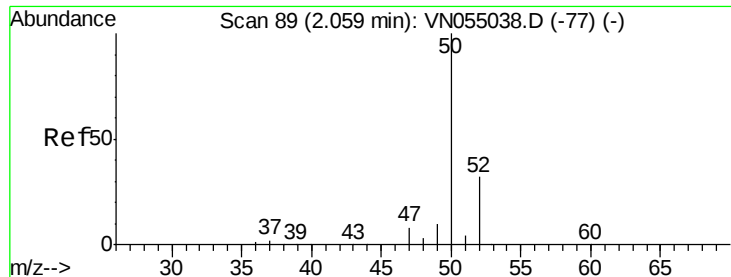
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50000

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Time-->





#3

Chloromethane

Concen: 44.276 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Tot Ion: 50 Resp: 284777

Ion Ratio Lower Upper

50 100

52 31.9 26.6 40.0

Instrument :

MSVOA\_N

ClientSampleId :

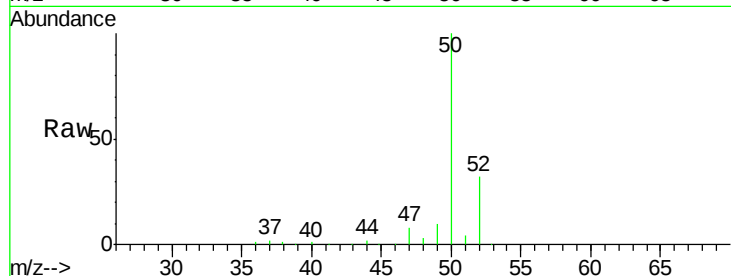
VSTDCCC050

Manual Integrations

APPROVED

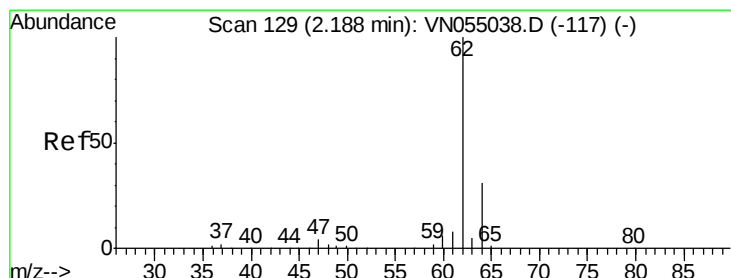
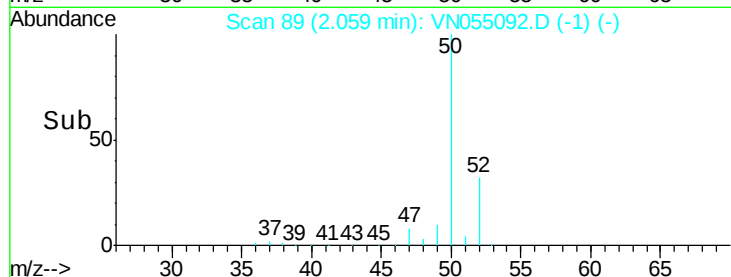
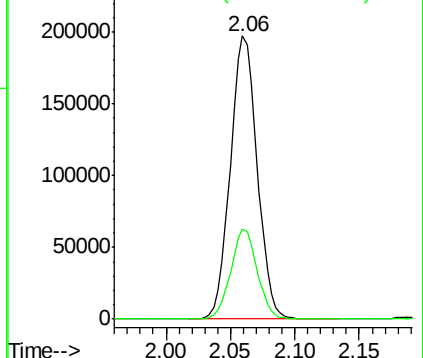
MMDadoda

4/19/2019 12:21:18 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 43.761 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055092.D

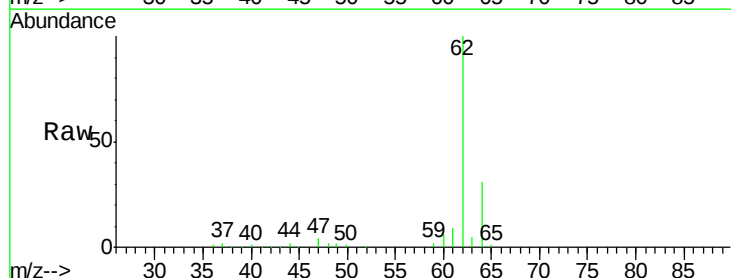
Acq: 17 Apr 2019 8:59

Tgt Ion: 62 Resp: 236576

Ion Ratio Lower Upper

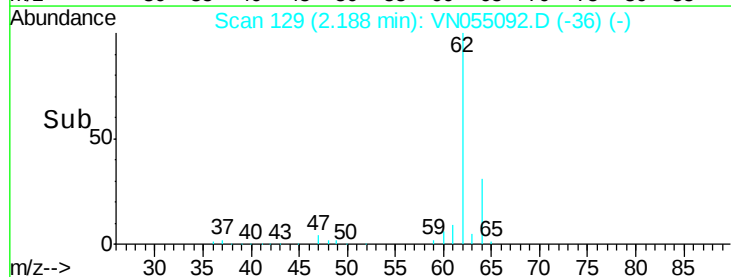
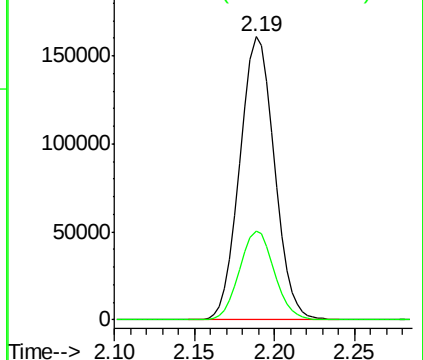
62 100

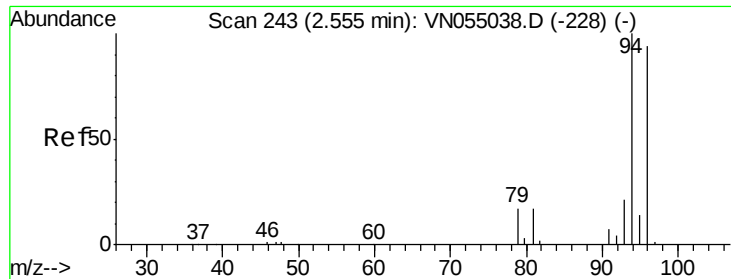
64 31.5 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 43.712 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.01 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Tot Ion: 94 Resp: 133689

Ion Ratio Lower Upper

94 100

96 92.1 76.2 114.4

Instrument :

MSVOA\_N

ClientSampleId :

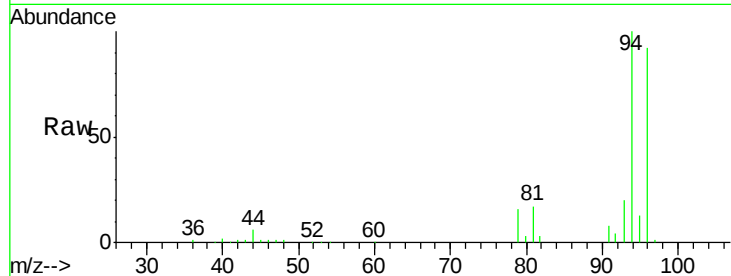
VSTDCCC050

Manual Integrations

APPROVED

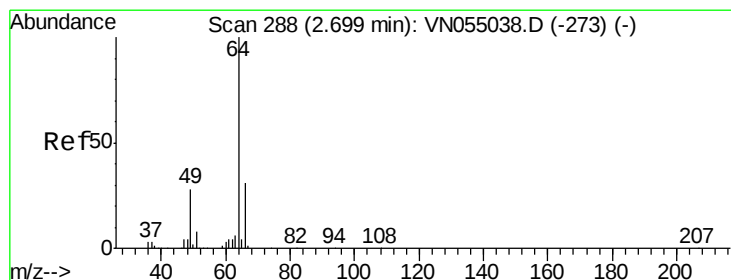
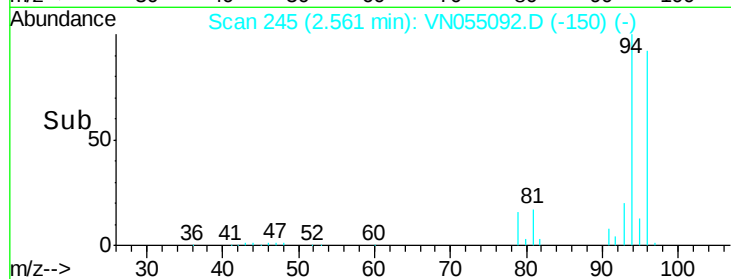
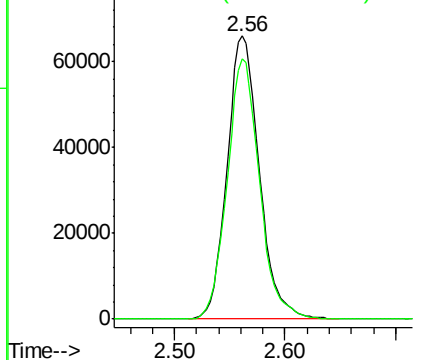
MMDadoda

4/19/2019 12:21:18 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.906 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055092.D

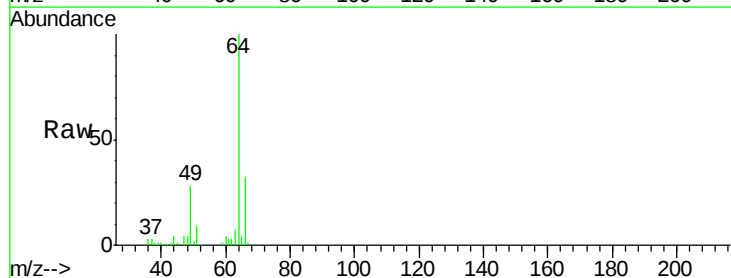
Acq: 17 Apr 2019 8:59

Tgt Ion: 64 Resp: 130919

Ion Ratio Lower Upper

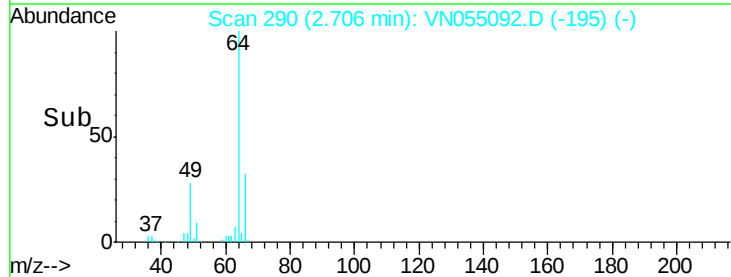
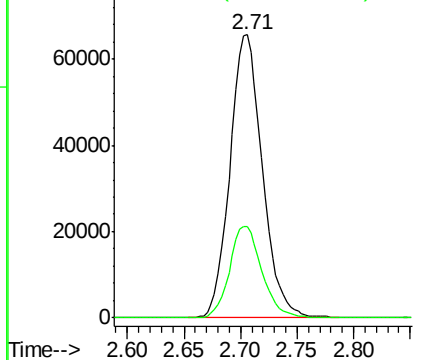
64 100

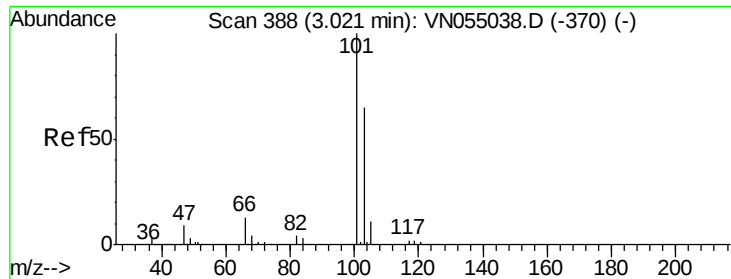
66 32.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

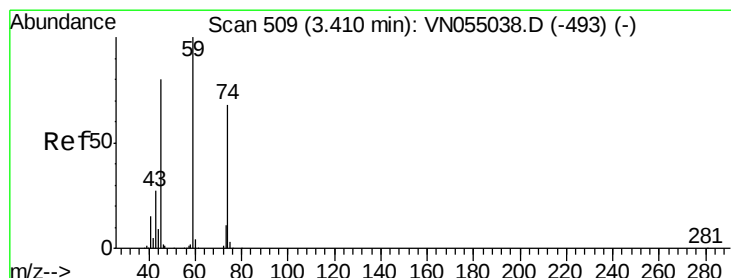
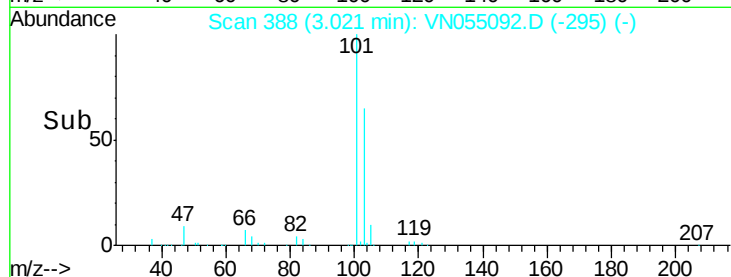
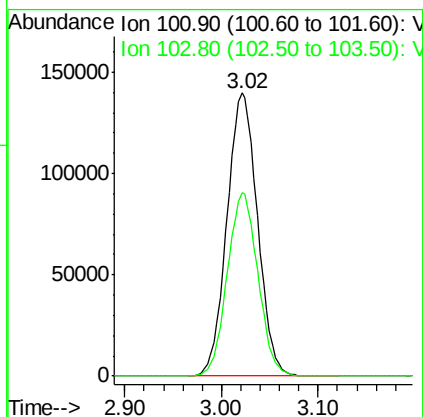
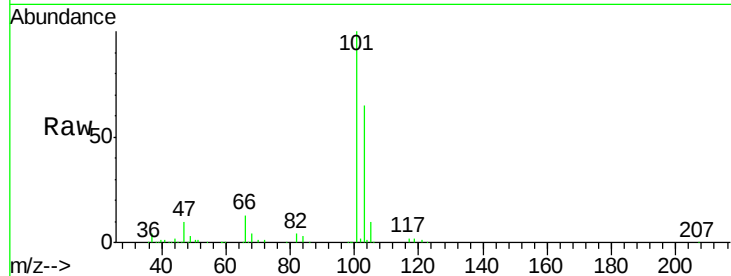
Trichlorofluoromethane  
 Concen: 45.353 ug/l  
 RT: 3.02 min Scan# 388  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.0  | 52.5  | 78.7  |

Manual Integrations  
 APPROVED

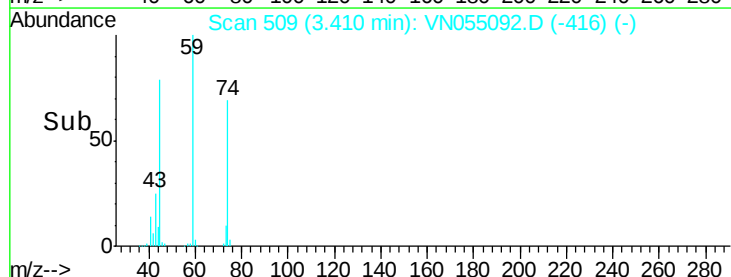
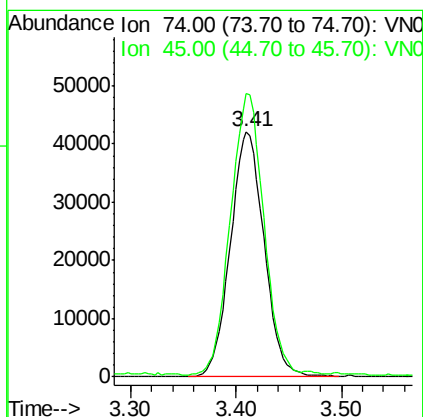
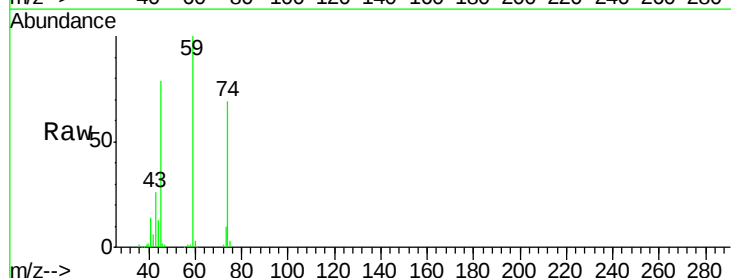
MMDadoda  
 4/19/2019 12:21:18 PM

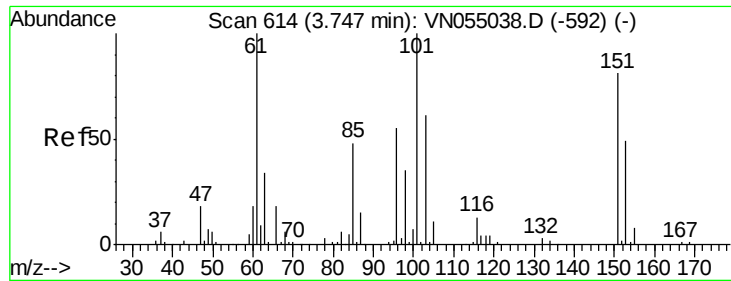


#8

Diethyl Ether  
 Concen: 43.261 ug/l  
 RT: 3.41 min Scan# 509  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 113.7 | 55.7  | 167.1 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.625 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

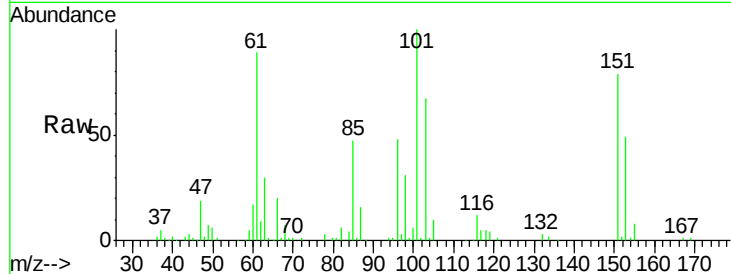
ClientSampleId :

VSTDCCC050

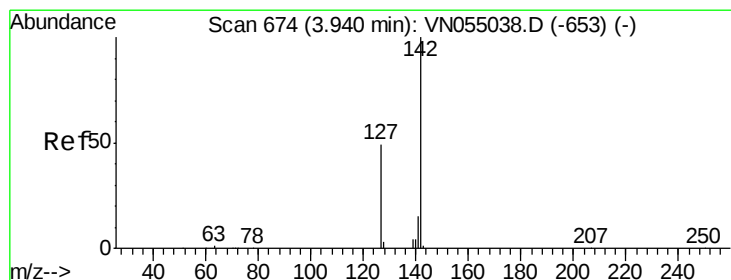
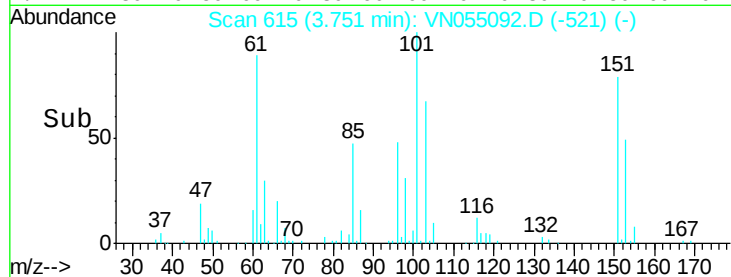
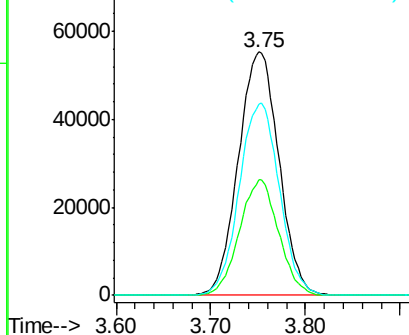
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 164972 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 45.9  | 36.9  | 55.3   |
| 151       | 78.2  | 64.4  | 96.6   |

Manual Integrations  
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Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.071 ug/l

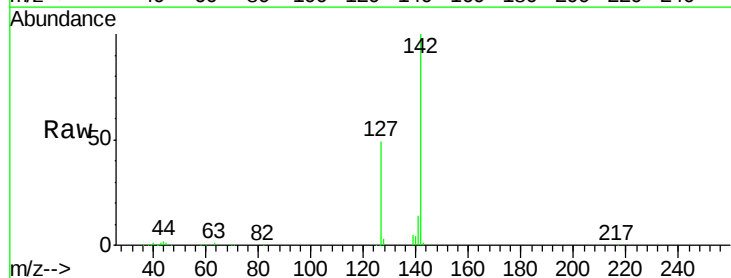
RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

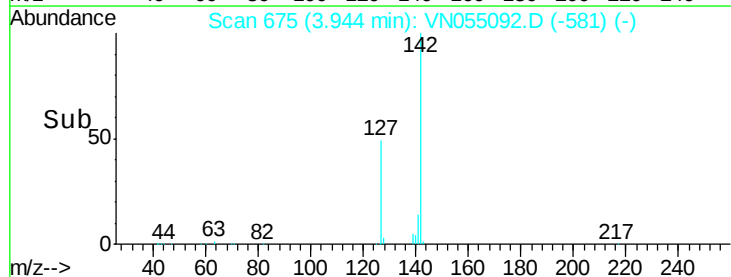
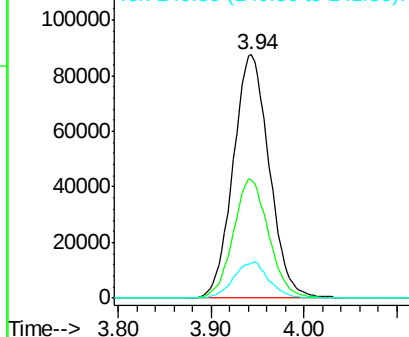
Lab File: VN055092.D

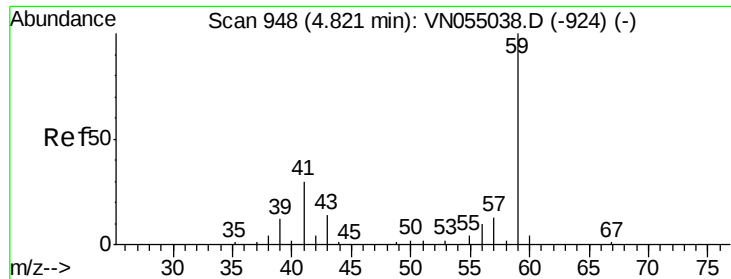
Acq: 17 Apr 2019 8:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 236493 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 48.3  | 37.9  | 56.9   |
| 141       | 14.5  | 11.8  | 17.8   |



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





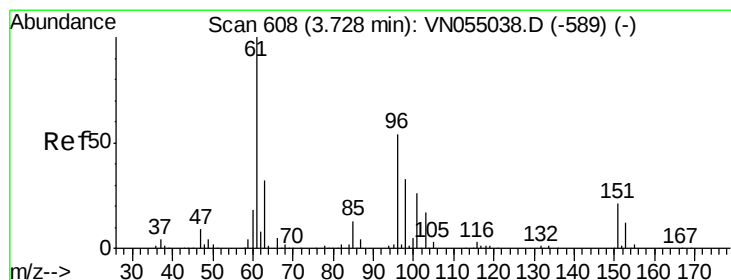
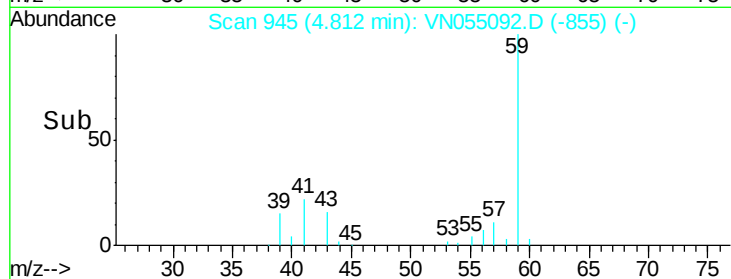
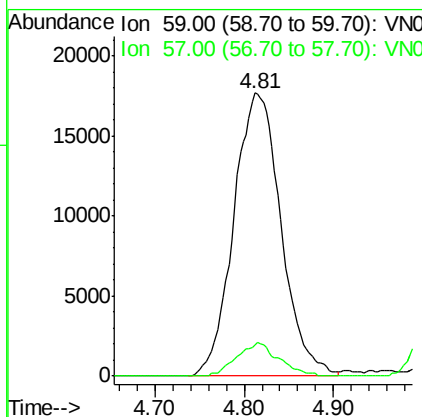
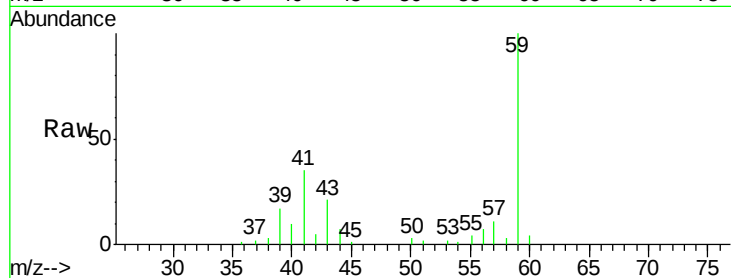
#11  
Tert butyl alcohol  
Concen: 205.872 ug/l  
RT: 4.81 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 59   | Resp  | 65088 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 57        | 10.5 | 8.3   | 12.5  |

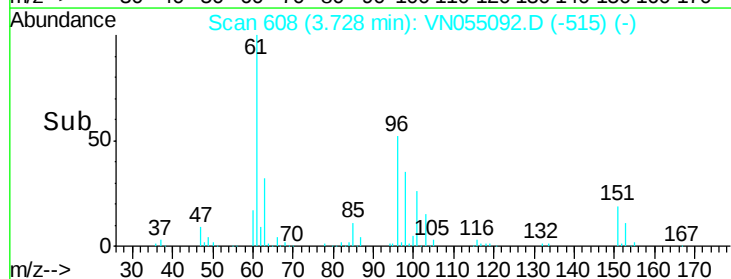
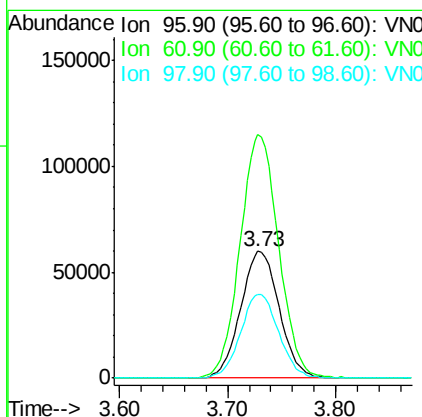
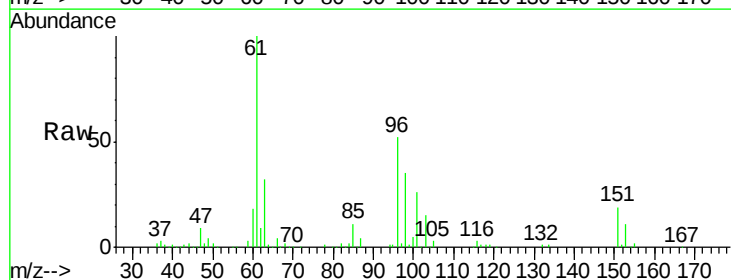
Manual Integrations  
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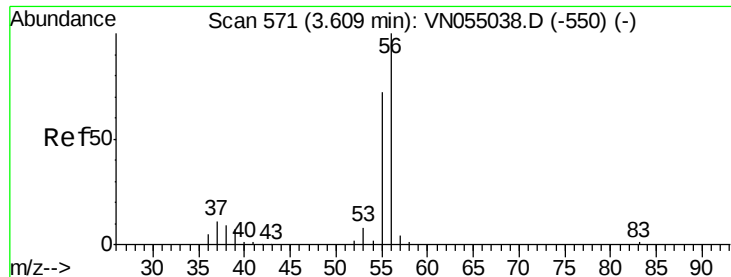
MMDadoda  
4/19/2019 12:21:18 PM



#12  
1,1-Dichloroethene  
Concen: 43.302 ug/l  
RT: 3.73 min Scan# 608  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

| Tgt Ion   | 96    | Resp  | 149133 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 192.2 | 154.2 | 231.4  |
| 98        | 66.3  | 52.9  | 79.3   |





#13

Acrolein

Concen: 219.484 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 85772

Ion Ratio Lower Upper

56 100

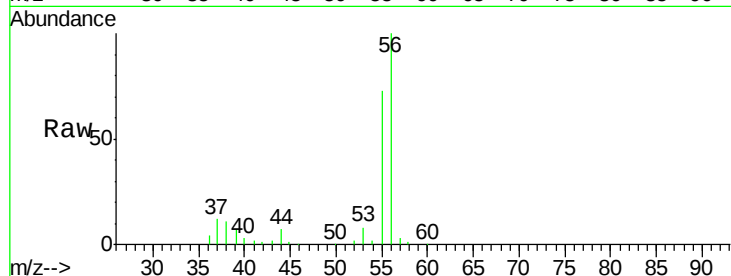
55 72.2 59.5 89.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN055092.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN055092.D (-550) (-)

3.60

40000

30000

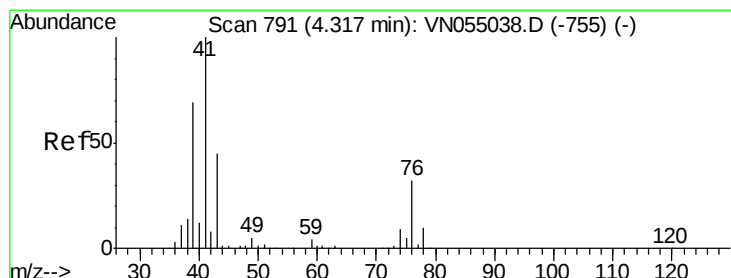
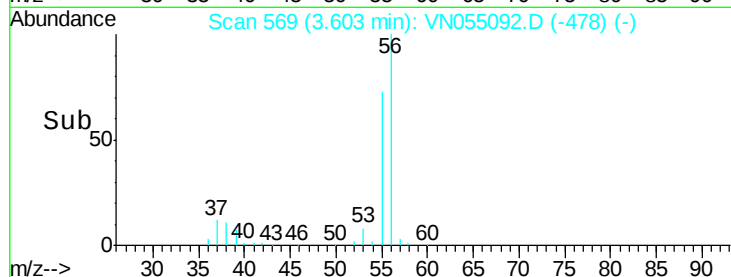
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 45.760 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

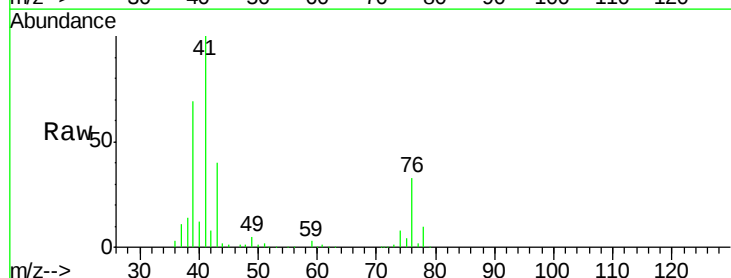
Tgt Ion: 41 Resp: 385772

Ion Ratio Lower Upper

41 100

39 65.6 52.7 79.1

76 29.8 23.2 34.8



Abundance Ion 41.00 (40.70 to 41.70): VN055092.D (-698) (-)

Ion 39.00 (38.70 to 39.70): VN055092.D (-698) (-)

Ion 75.90 (75.60 to 76.60): VN055092.D (-698) (-)

4.31

150000

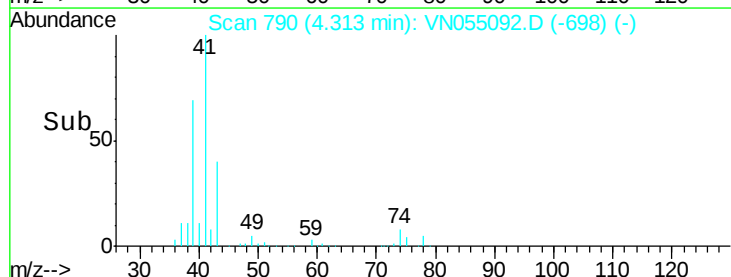
100000

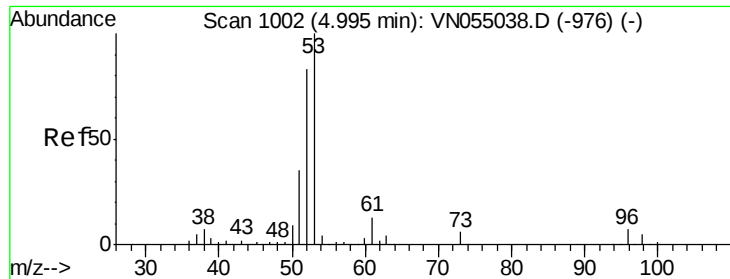
50000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 212.532 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

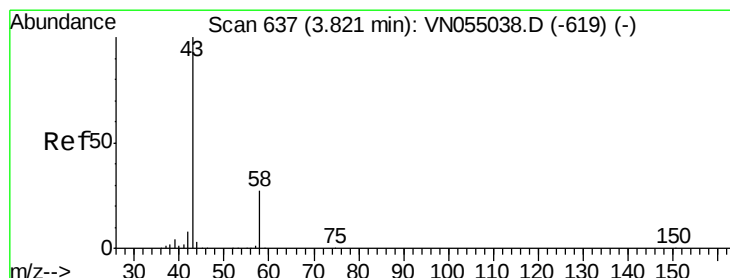
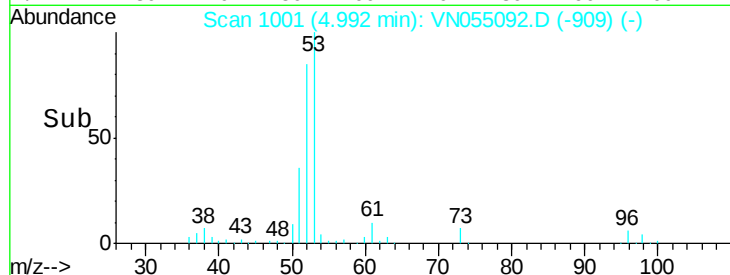
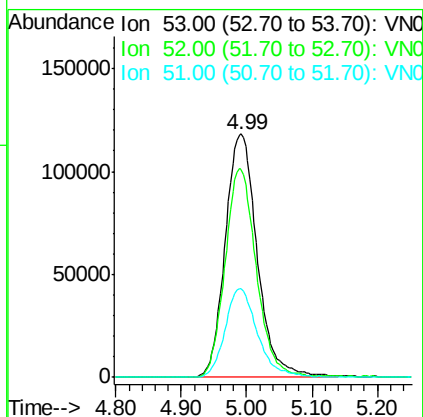
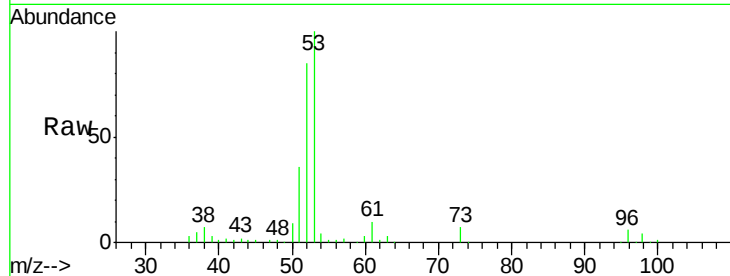
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 402020 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.6  | 65.9  | 98.9   |
| 51       | 37.0  | 29.7  | 44.5   |

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#16

Acetone

Concen: 259.019 ug/l

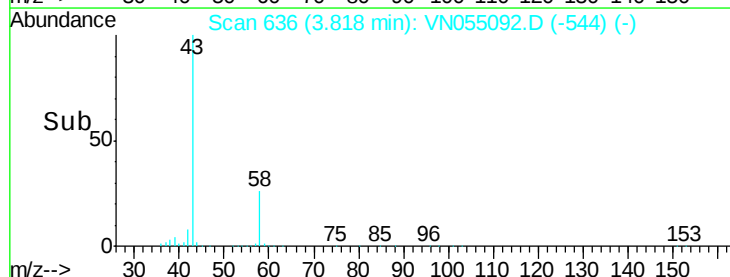
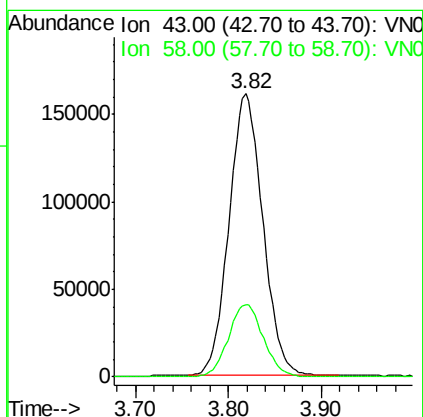
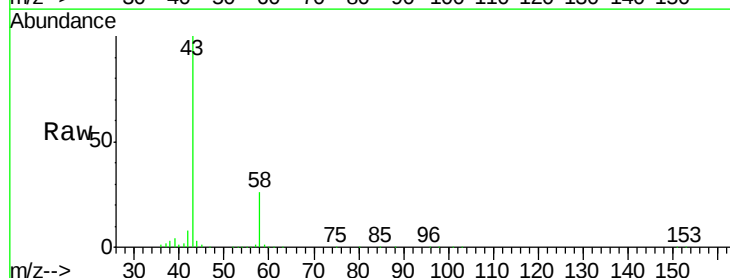
RT: 3.82 min Scan# 636

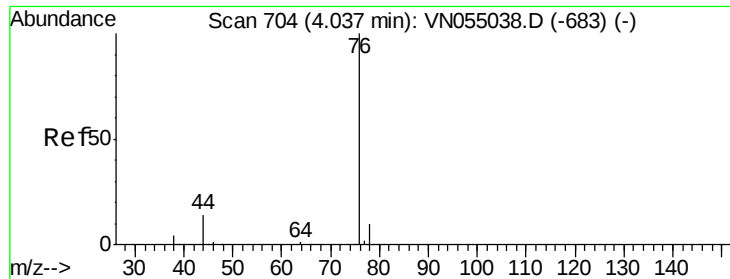
Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 405497 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 25.7  | 20.9  | 31.3   |





#17

Carbon Disulfide

Concen: 43.771 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 486630

Ion Ratio Lower Upper

76 100

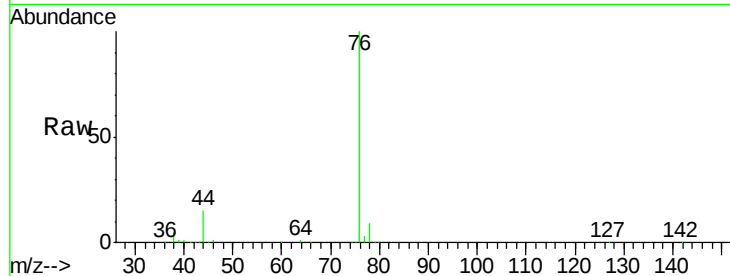
78 9.4 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

200000

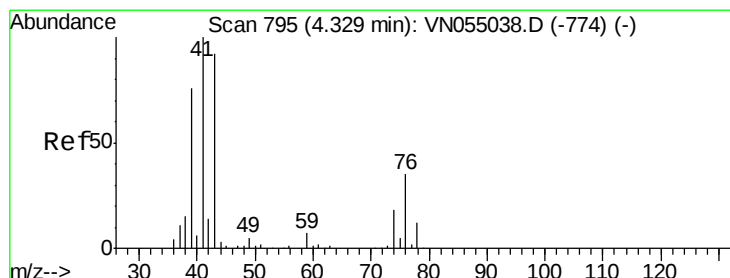
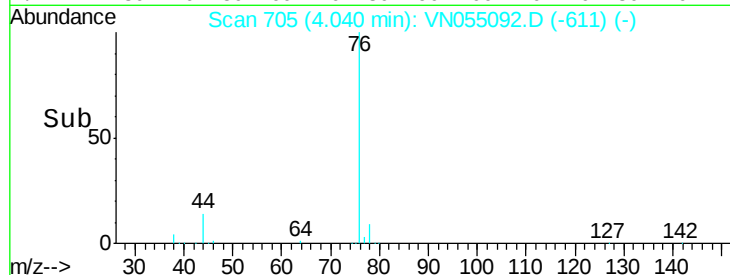
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 42.149 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055092.D

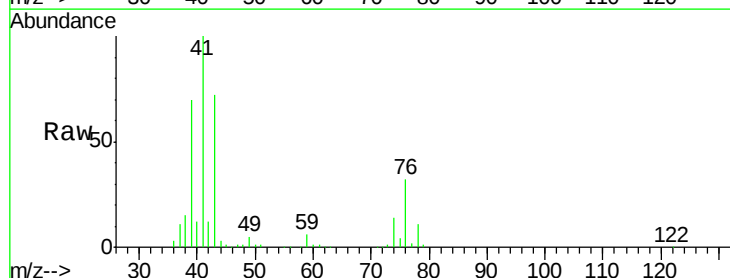
Acq: 17 Apr 2019 8:59

Tgt Ion: 43 Resp: 190486

Ion Ratio Lower Upper

43 100

74 19.9 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

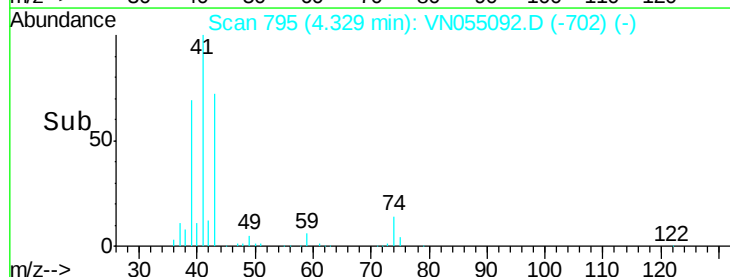
60000

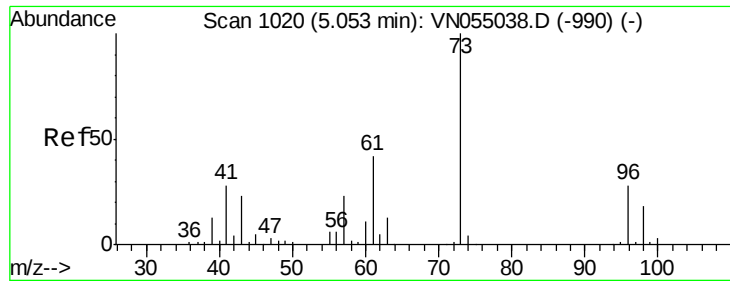
40000

20000

0

Time-->





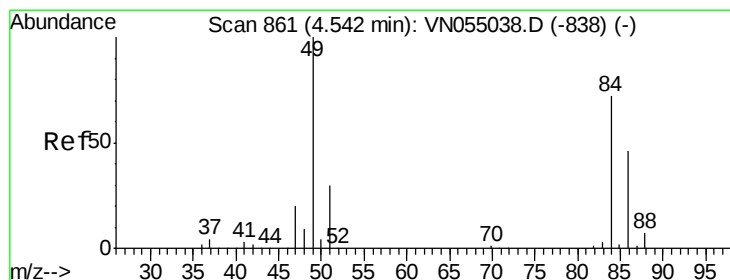
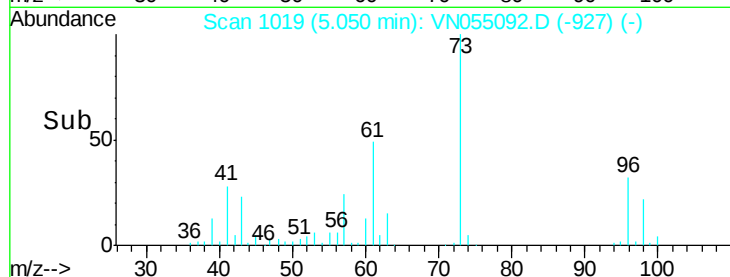
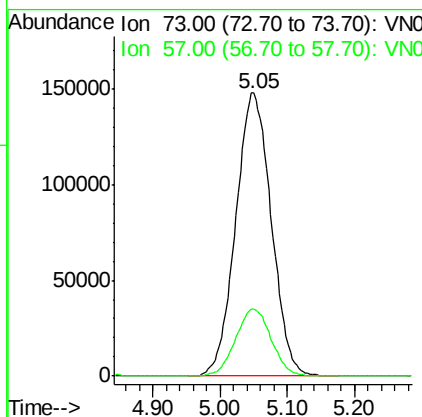
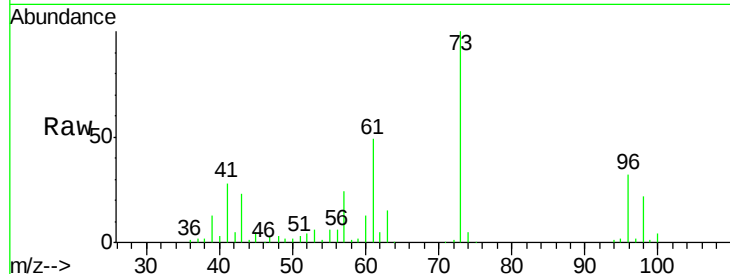
#19  
Methvl tert-butvl Ether  
Concen: 43.985 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. -0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 73 Resp: 541897  
Ion Ratio Lower Upper  
73 100  
57 23.6 19.0 28.4

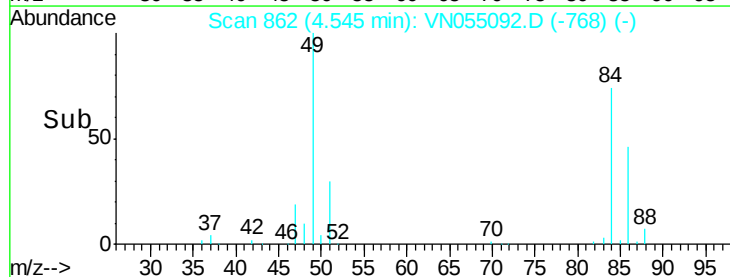
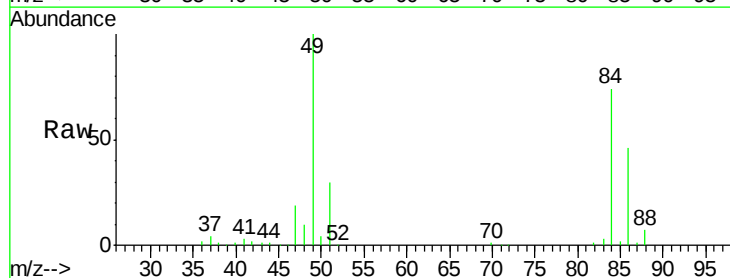
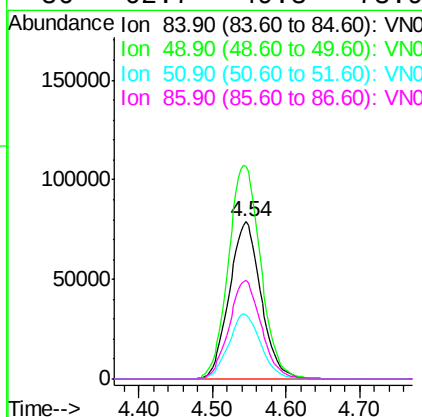
Manual Integrations  
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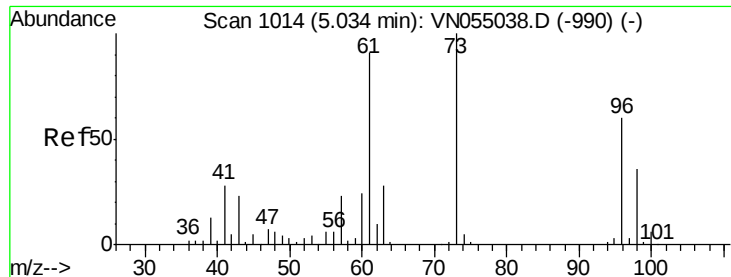
MMDadoda  
4/19/2019 12:21:18 PM



#20  
Methylene Chloride  
Concen: 43.054 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Tgt Ion: 84 Resp: 236941  
Ion Ratio Lower Upper  
84 100  
49 135.7 109.4 164.2  
51 40.8 32.2 48.4  
86 62.7 49.3 73.9





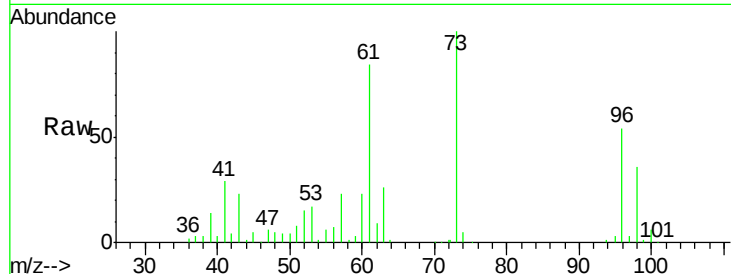
#21  
trans-1,2-Dichloroethene  
Concen: 43.848 ug/l  
RT: 5.03 min Scan# 1014  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

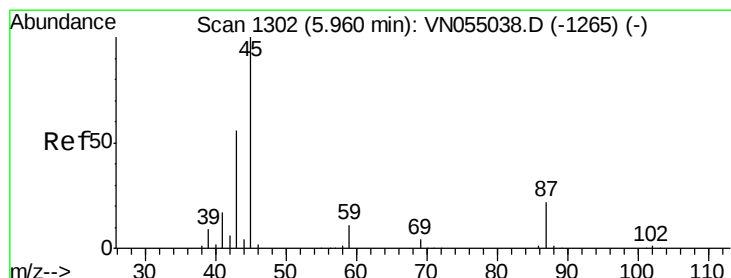
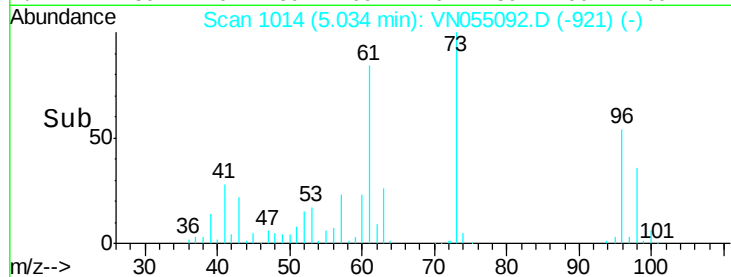
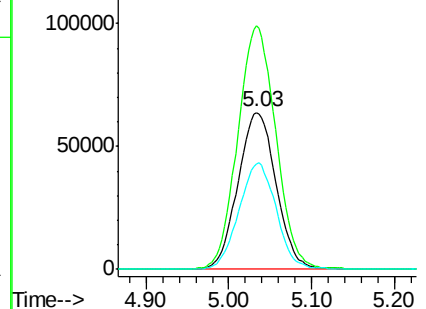
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 155.0 | 114.9 | 172.3 |
| 98      | 66.9  | 48.4  | 72.6  |

Manual Integrations  
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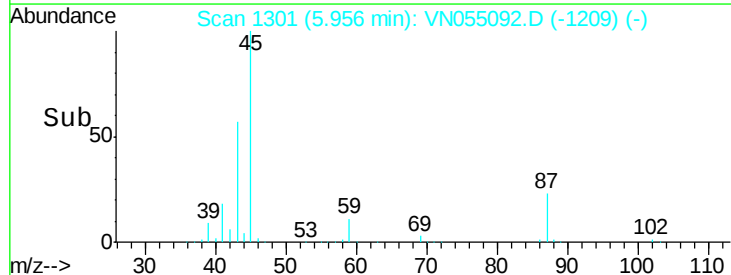
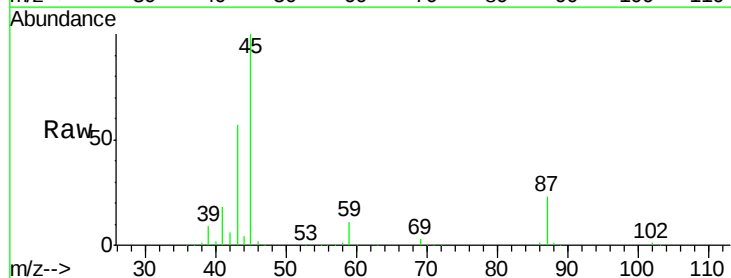
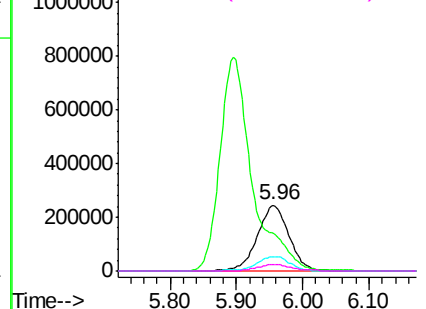
Abundance Ion 95.90 (95.60 to 96.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0

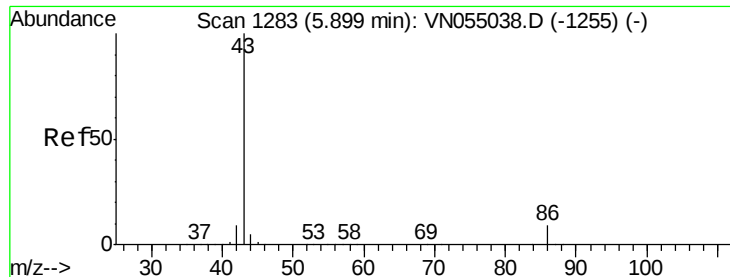


#22  
Diisopropyl ether  
Concen: 46.706 ug/l  
RT: 5.96 min Scan# 1301  
Delta R.T. -0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 56.0  | 44.8  | 67.2  |
| 87      | 22.4  | 18.9  | 28.3  |
| 59      | 10.5  | 7.9   | 11.9  |

Abundance Ion 45.00 (44.70 to 45.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 87.00 (86.70 to 87.70): VN0  
Ion 59.00 (58.70 to 59.70): VN0





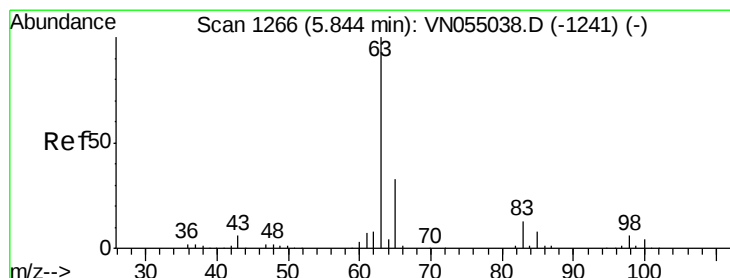
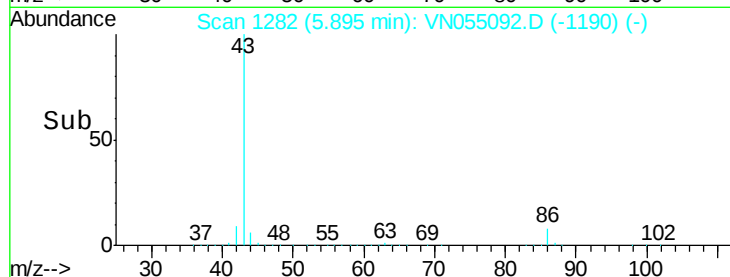
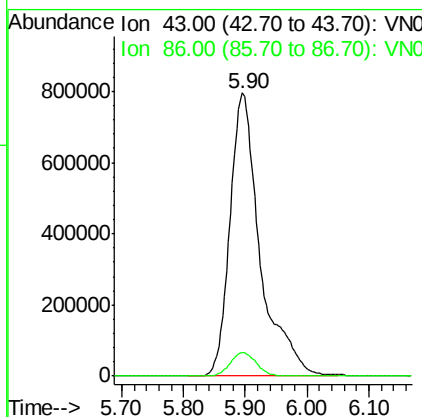
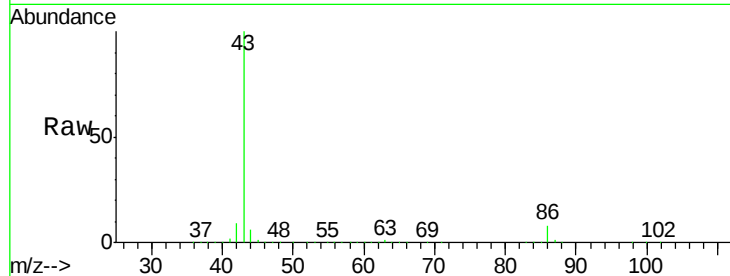
#23  
 Vinyl Acetate  
 Concen: 235.570 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. -0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 2698459  
 Ion Ratio Lower Upper  
 43 100  
 86 8.4 7.0 10.4

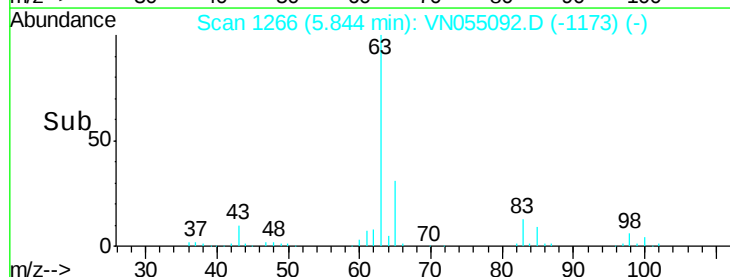
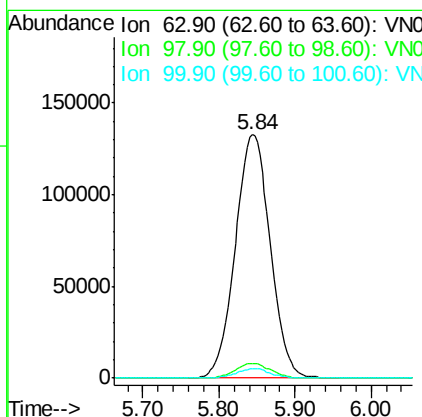
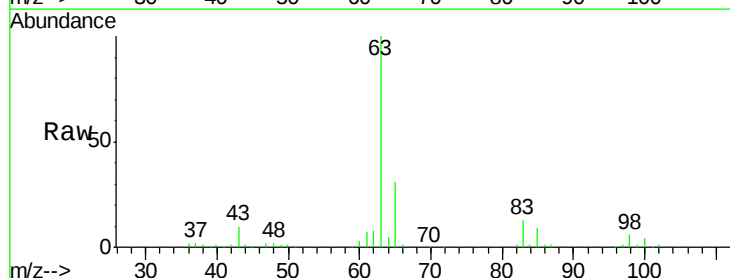
Manual Integrations  
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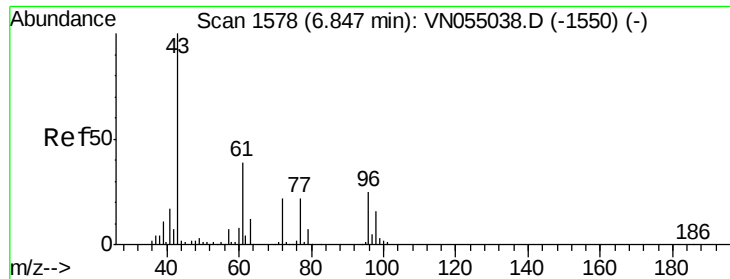
MMDadoda  
 4/19/2019 12:21:18 PM



#24  
 1,1-Dichloroethane  
 Concen: 45.864 ug/l  
 RT: 5.84 min Scan# 1266  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

Tgt Ion: 63 Resp: 423266  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 2.8 8.4  
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 236.002 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 551418

Ion Ratio Lower Upper

43 100

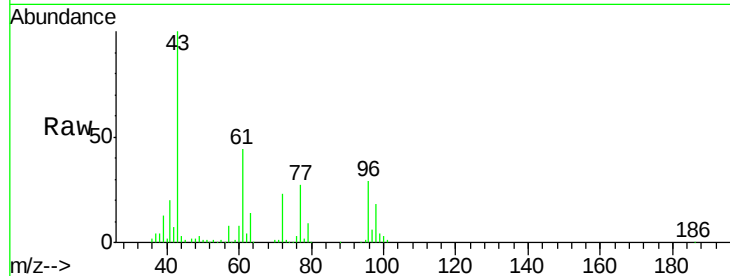
72 22.9 18.1 27.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

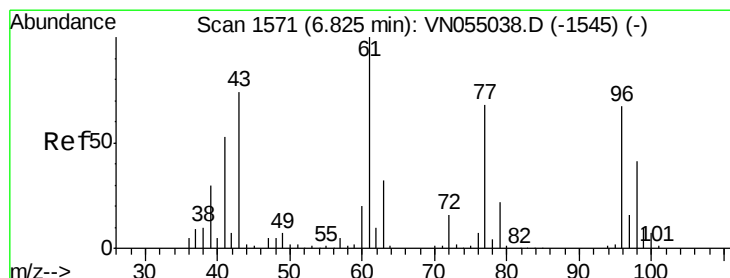
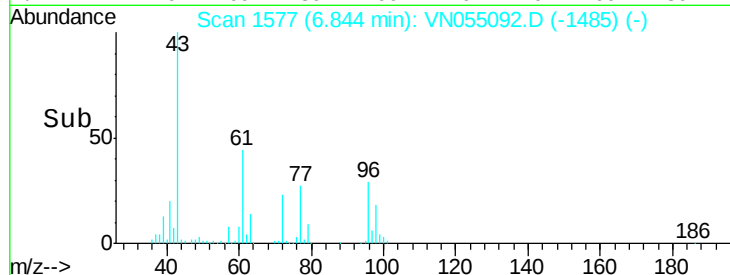
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.774 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055092.D

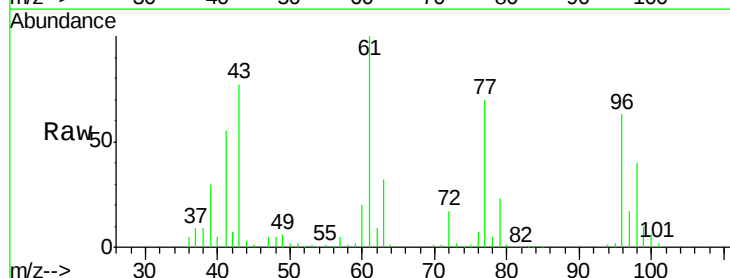
Acq: 17 Apr 2019 8:59

Tgt Ion: 77 Resp: 289923

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

100000

80000

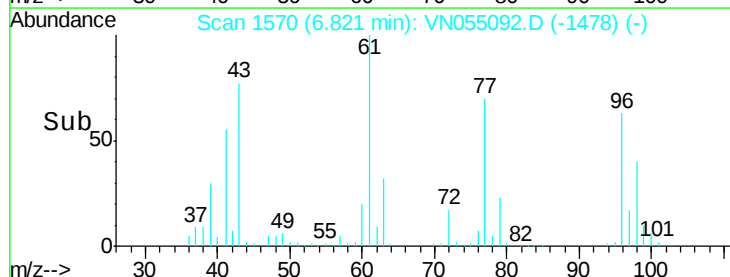
60000

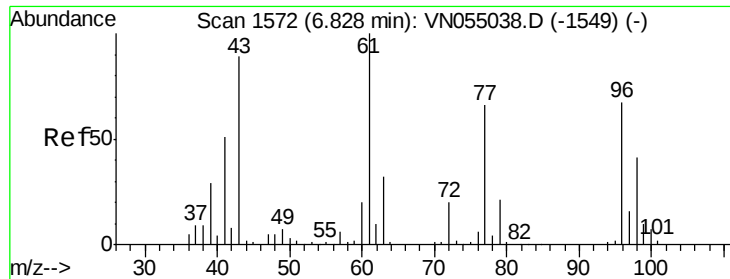
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 46.099 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 242935 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 156.6 | 0.0   | 311.0  |
| 98        | 64.4  | 0.0   | 127.4  |

Instrument :

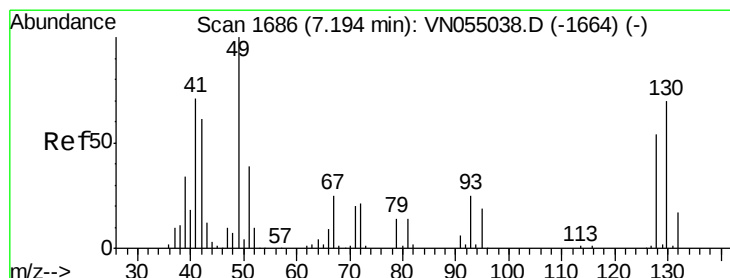
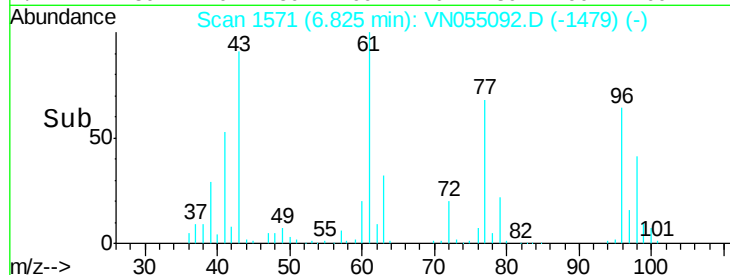
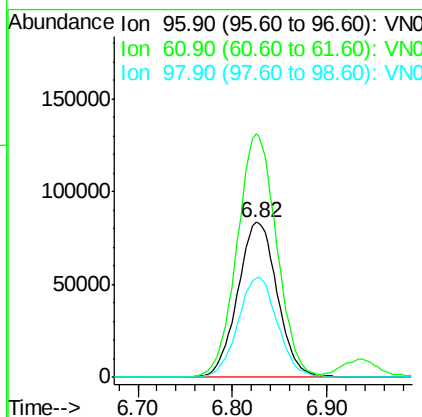
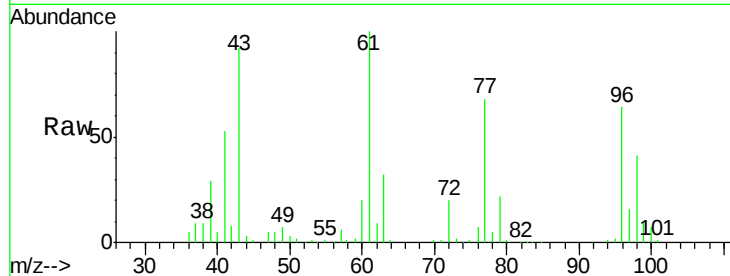
MSVOA\_N

ClientSampleId :

VSTDCCC050

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#28

Bromochloromethane

Concen: 45.395 ug/l

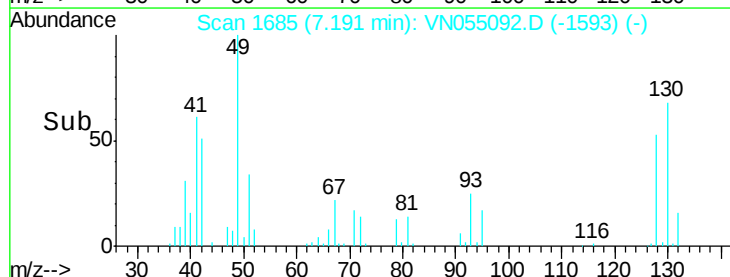
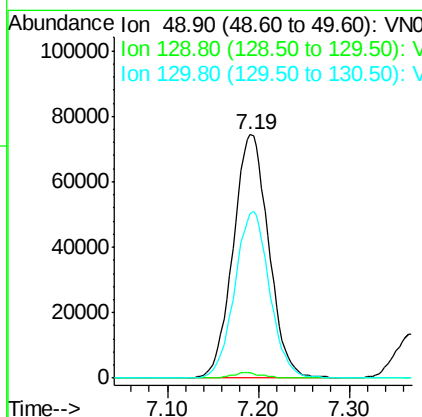
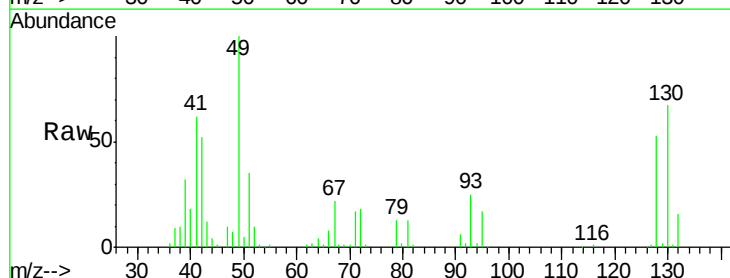
RT: 7.19 min Scan# 1685

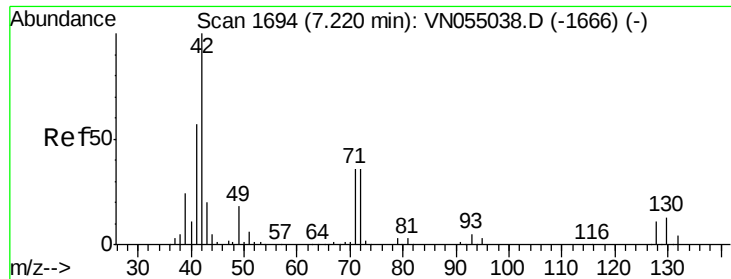
Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 201949 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 1.9   | 0.0   | 2.0    |
| 130       | 67.1  | 53.4  | 80.2   |





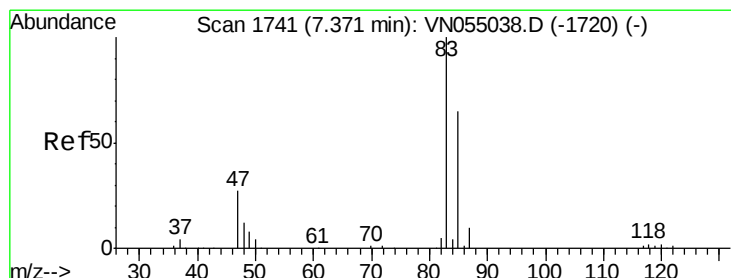
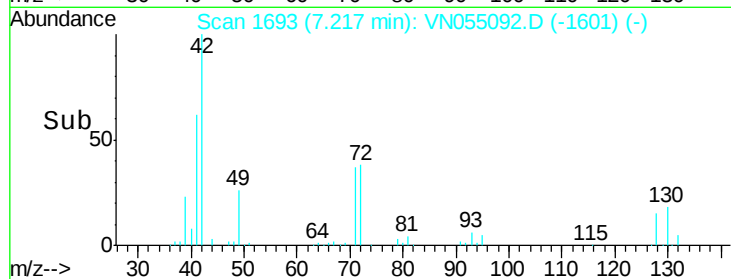
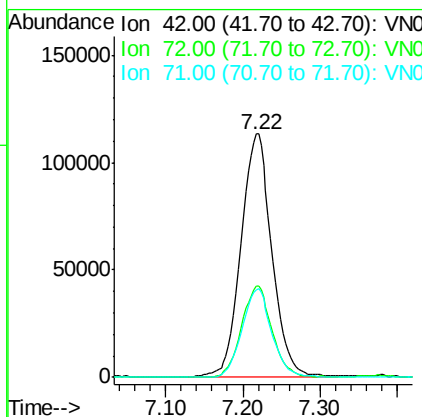
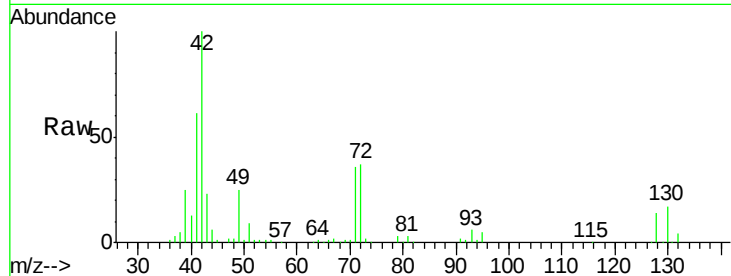
#29  
Tetrahydrofuran  
Concen: 203.951 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. -0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 37.1  | 29.4  | 44.0  |
| 71      | 35.3  | 27.8  | 41.6  |

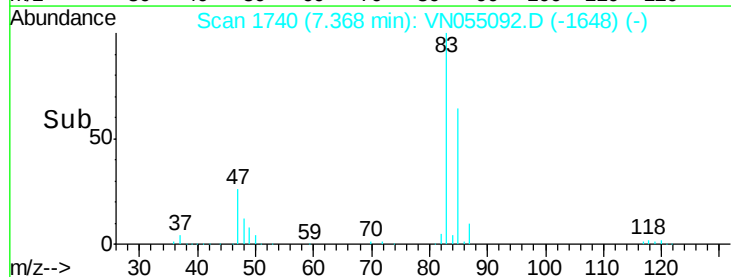
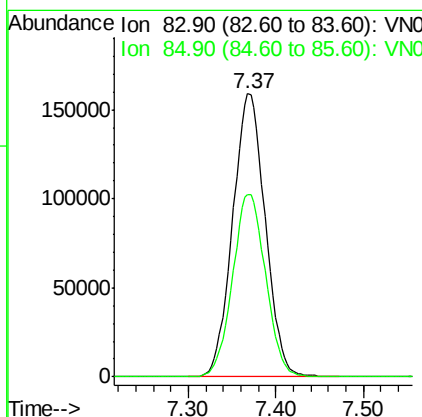
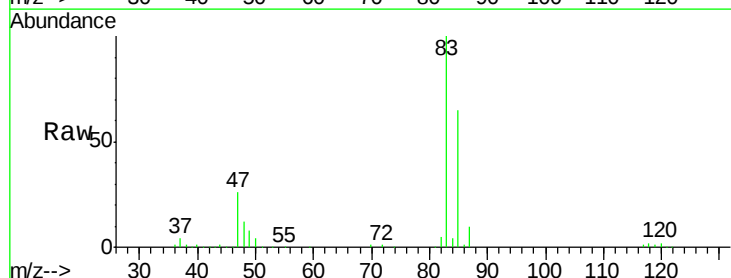
Manual Integrations  
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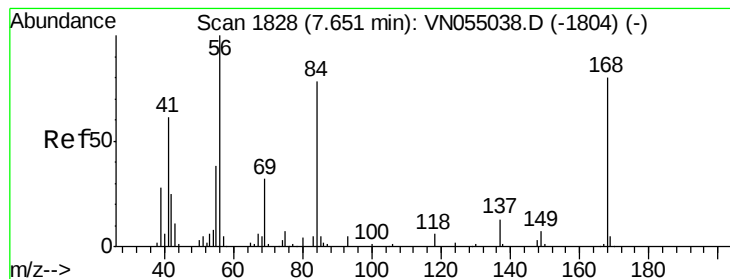
MMDadoda  
4/19/2019 12:21:18 PM



#30  
Chloroform  
Concen: 45.879 ug/l  
RT: 7.37 min Scan# 1740  
Delta R.T. -0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.6  | 51.8  | 77.6  |





#31

Cyclohexane

Concen: 46.970 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

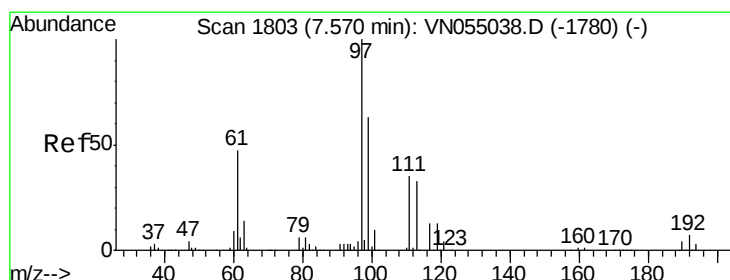
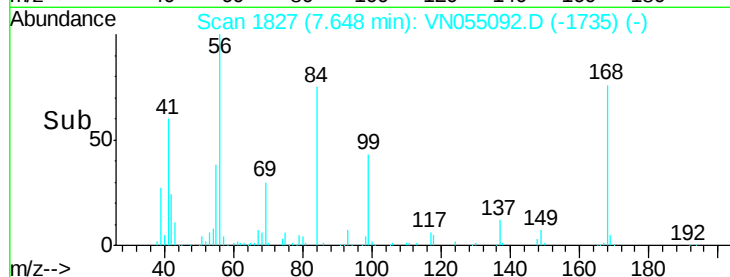
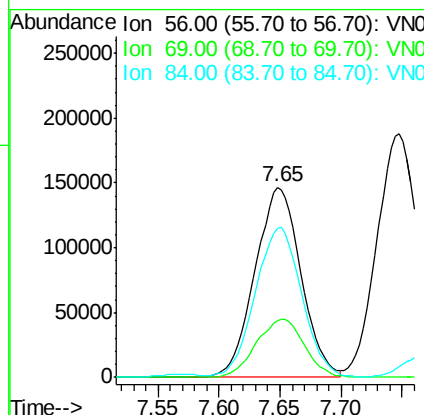
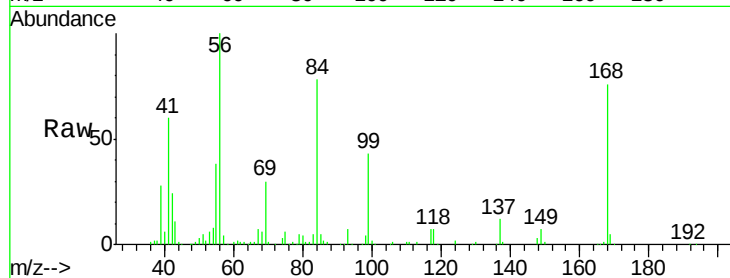
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 383855 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 29.8  | 24.5  | 36.7   |
| 84        | 76.7  | 62.9  | 94.3   |

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#32

1,1,1-Trichloroethane

Concen: 46.234 ug/l

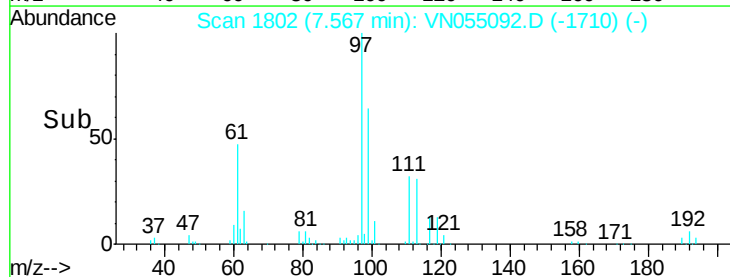
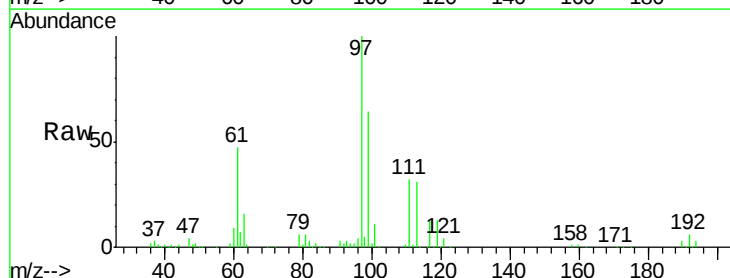
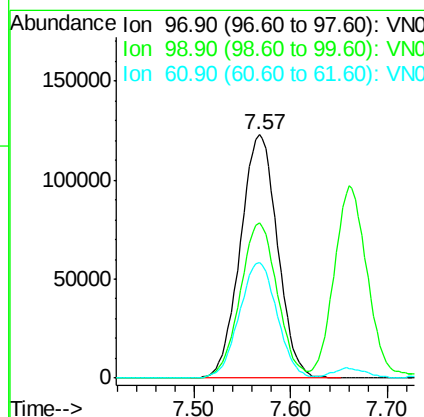
RT: 7.57 min Scan# 1802

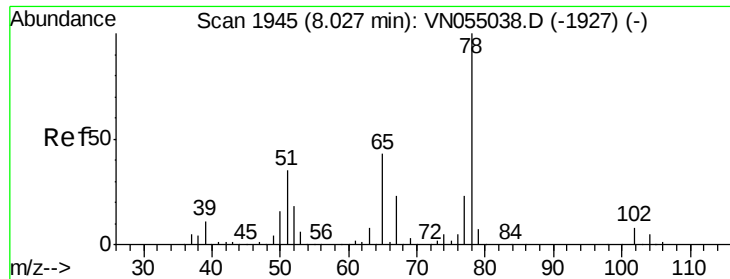
Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 328364 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 63.8  | 51.6  | 77.4   |
| 61        | 48.1  | 38.3  | 57.5   |





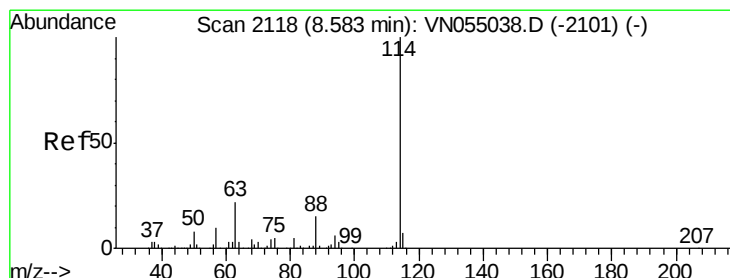
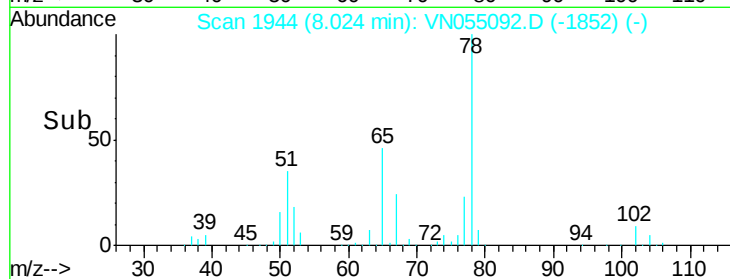
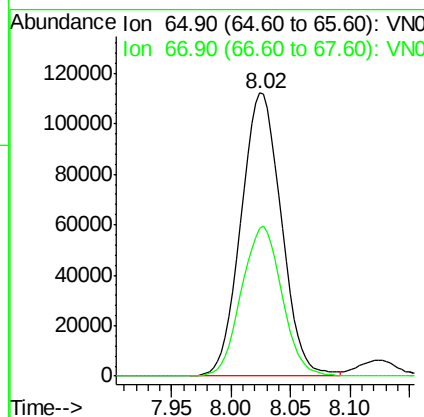
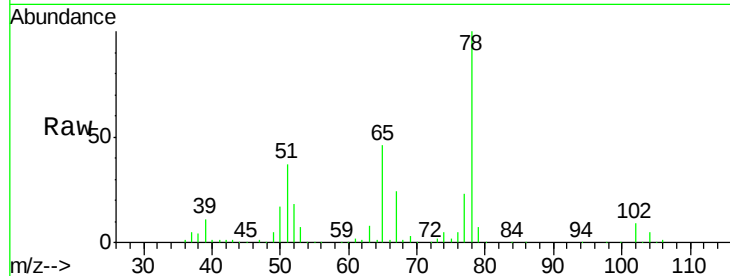
#33  
 1,2-Dichloroethane-d4  
 Concen: 45.841 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. -0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 264404 |       |       |
| 67      | 53.1  | 0.0    | 106.4 |       |

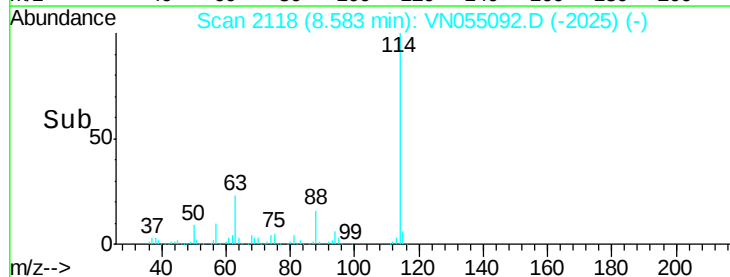
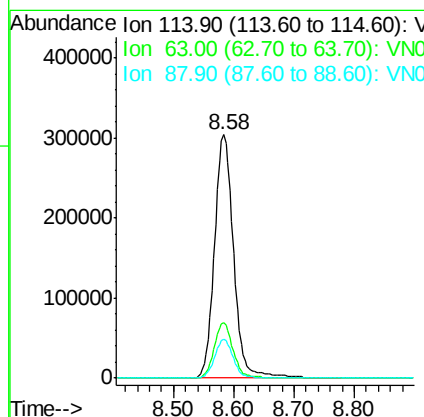
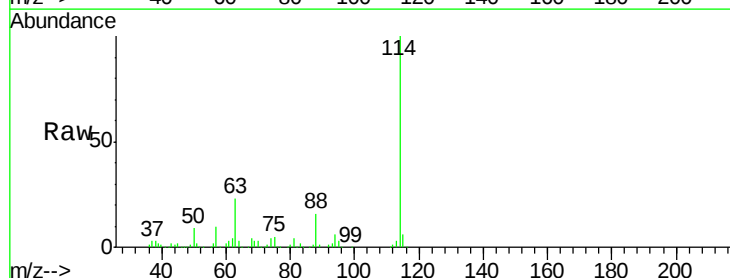
Manual Integrations  
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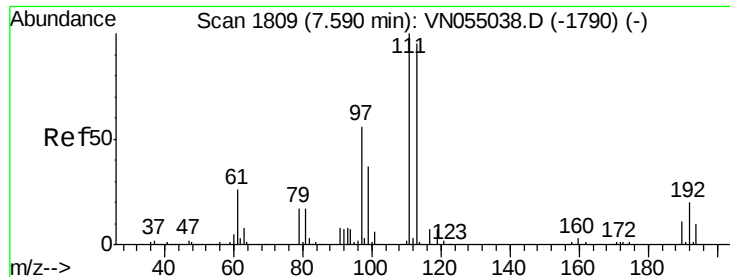
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 659222 |       |       |
| 63      | 23.0  | 0.0    | 45.2  |       |
| 88      | 15.8  | 0.0    | 31.8  |       |





#35

Dibromofluoromethane

Concen: 50.091 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

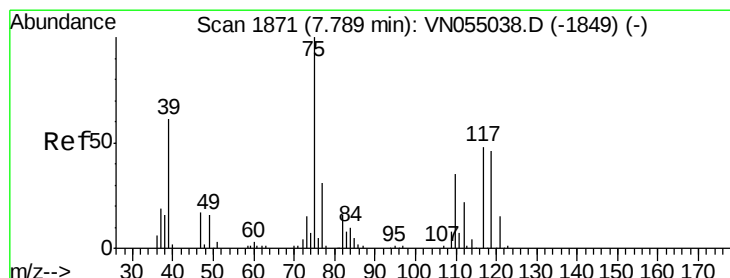
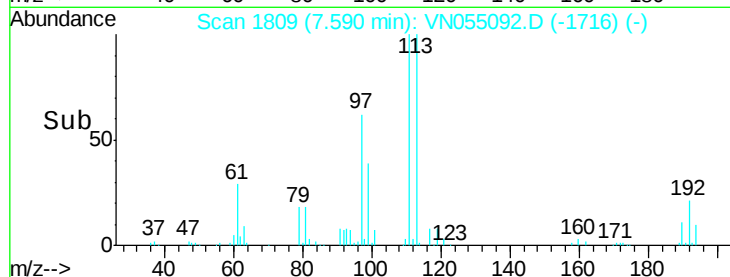
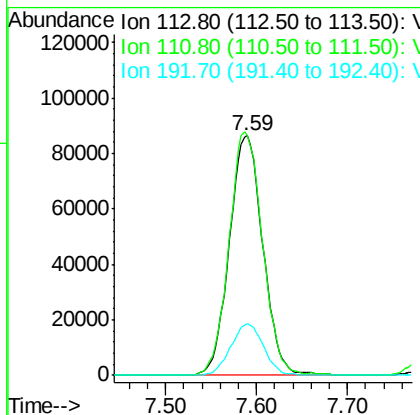
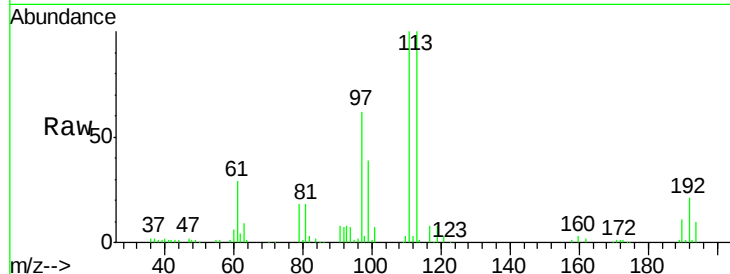
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 220681 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 101.2 | 82.1  | 123.1  |
| 192       | 21.0  | 16.5  | 24.7   |

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#36

1,1-Dichloropropene

Concen: 49.239 ug/l

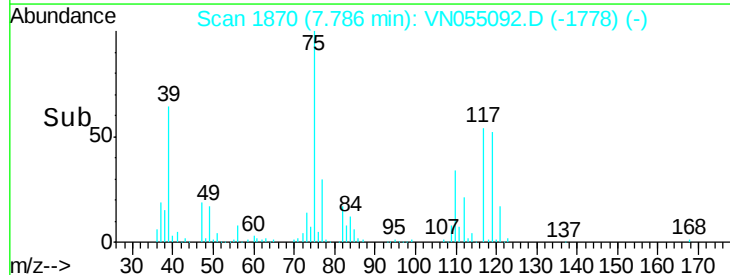
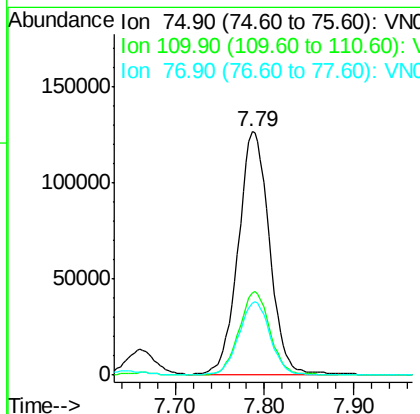
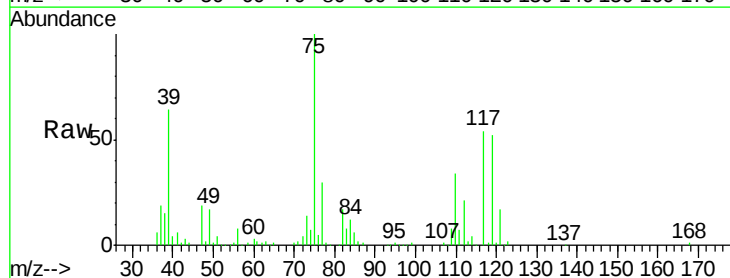
RT: 7.79 min Scan# 1870

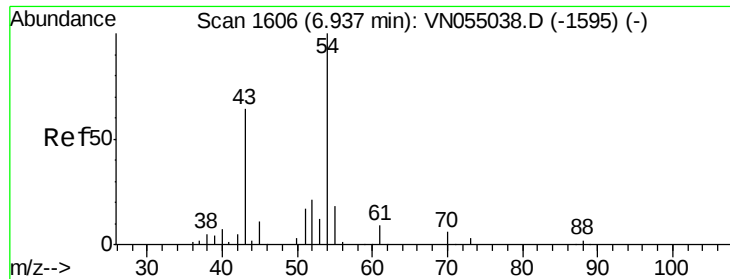
Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 305990 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 34.3  | 17.5  | 52.5   |
| 77        | 30.7  | 24.9  | 37.3   |





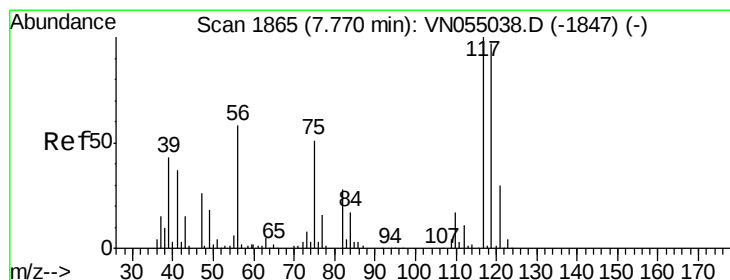
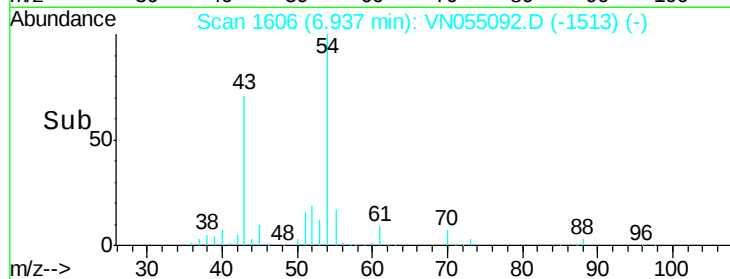
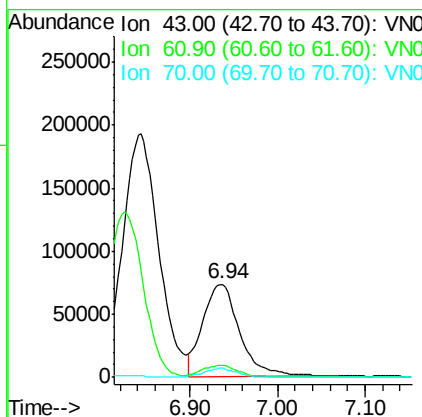
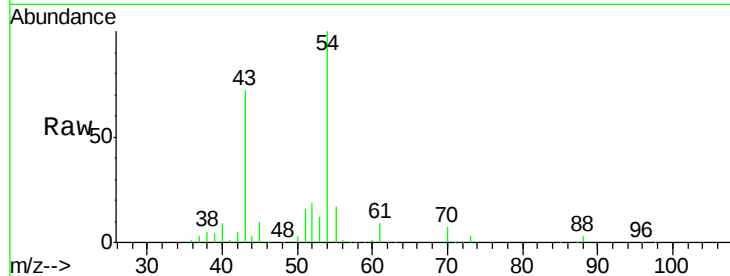
#37  
Ethyl Acetate  
Concen: 42.340 ug/l  
RT: 6.94 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleID :  
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 214206 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 12.8  | 10.0  | 15.0   |
| 70       | 8.5   | 7.1   | 10.7   |

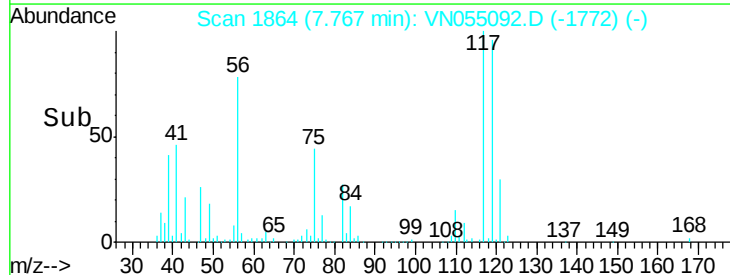
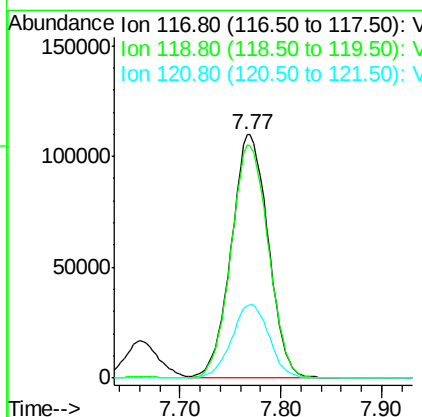
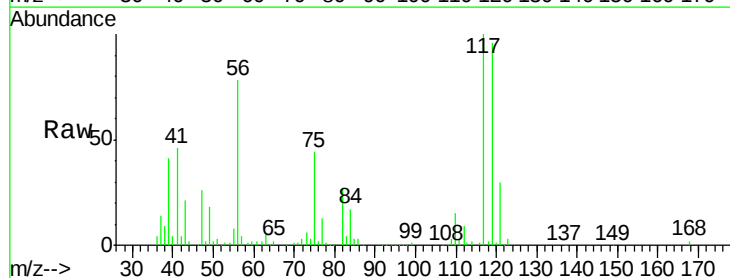
Manual Integrations  
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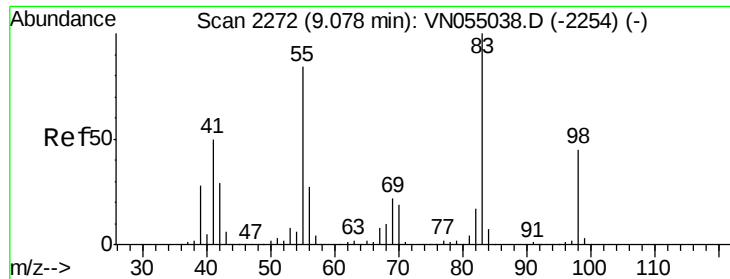
MMDadoda  
4/19/2019 12:21:18 PM



#38  
Carbon Tetrachloride  
Concen: 47.319 ug/l  
RT: 7.77 min Scan# 1864  
Delta R.T. -0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 279770 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.7  | 76.3  | 114.5  |
| 121      | 29.6  | 23.9  | 35.9   |





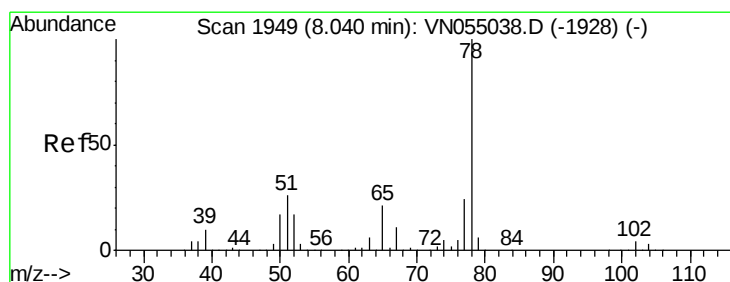
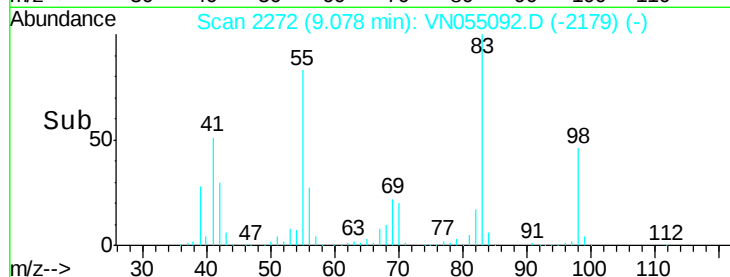
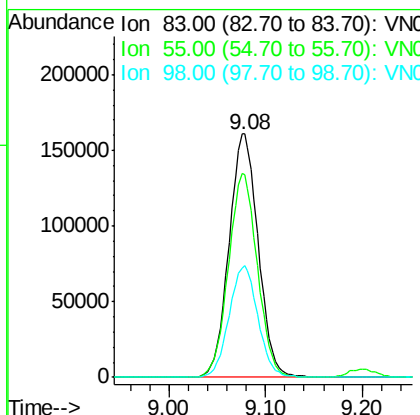
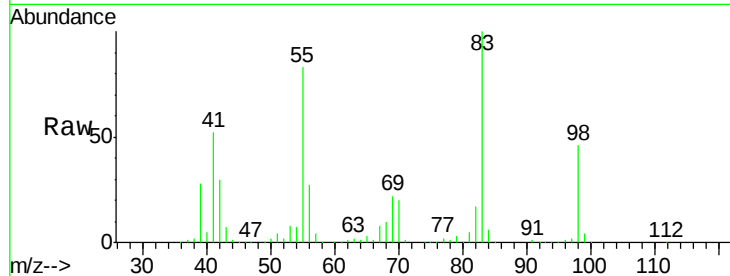
#39  
Methvlcvclohexane  
Concen: 49.989 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion   | 83    | Resp  | 336630 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 83.0  | 67.0  | 100.4  |
| 98        | 45.8  | 35.6  | 53.4   |

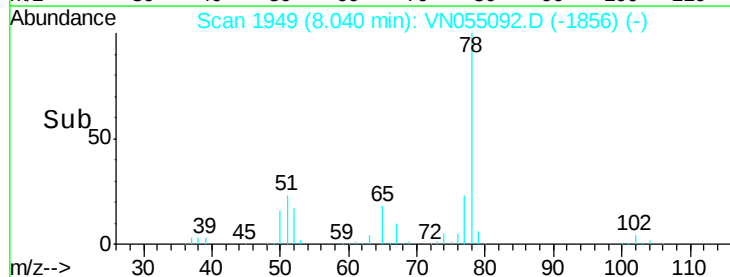
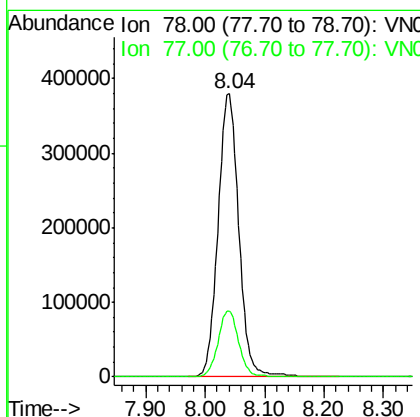
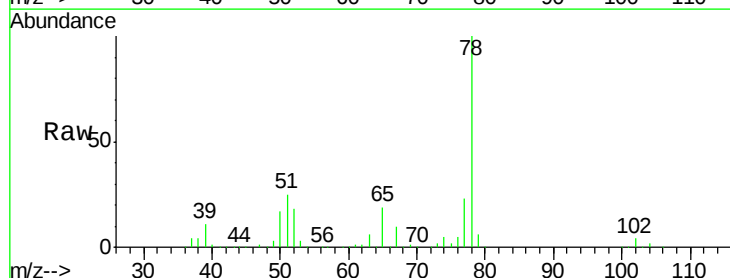
Manual Integrations  
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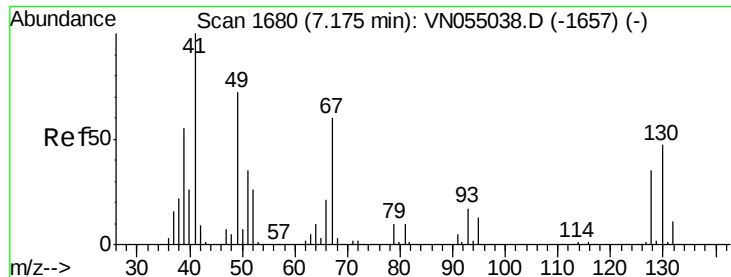
MMDadoda  
4/19/2019 12:21:18 PM



#40  
Benzene  
Concen: 48.977 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

| Tgt Ion   | 78    | Resp  | 917310 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.3  | 18.8  | 28.2   |





#41

Methacrylonitrile

Concen: 43.533 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

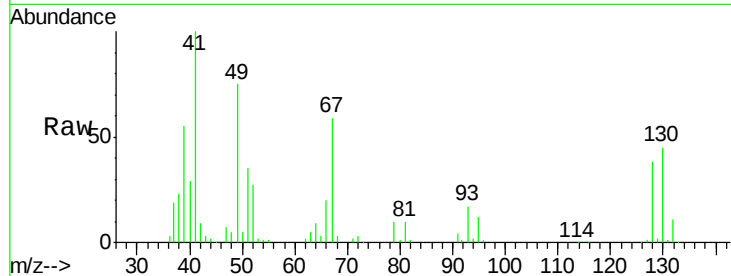
ClientSampleId :

VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 59.3  | 45.6  | 68.4  |
| 67      | 70.6  | 57.0  | 85.6  |
| 52      | 30.4  | 23.6  | 35.4  |

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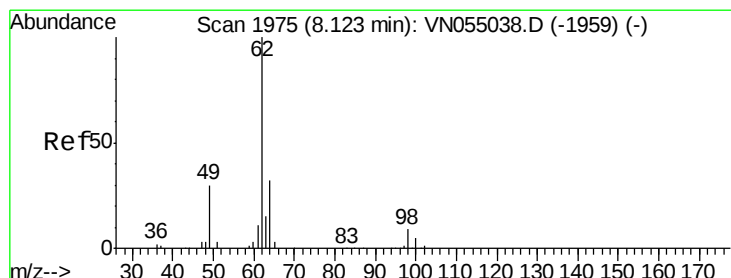
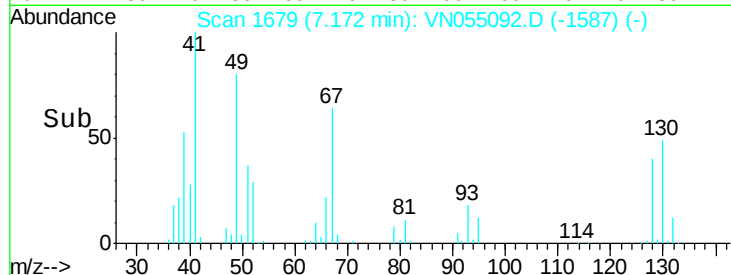
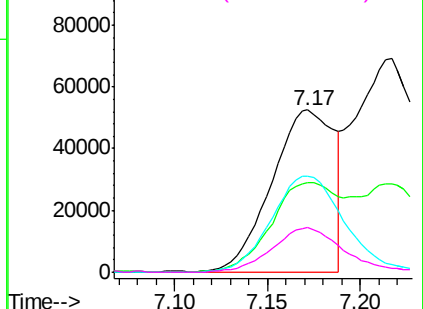
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 47.329 ug/l

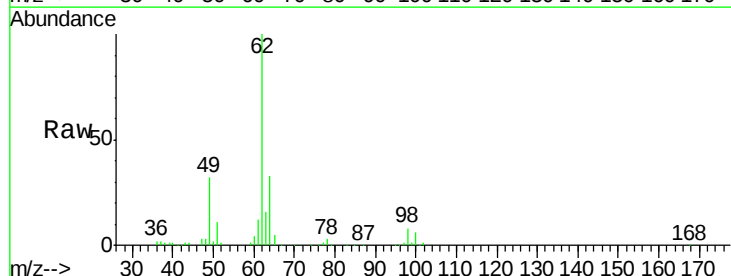
RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

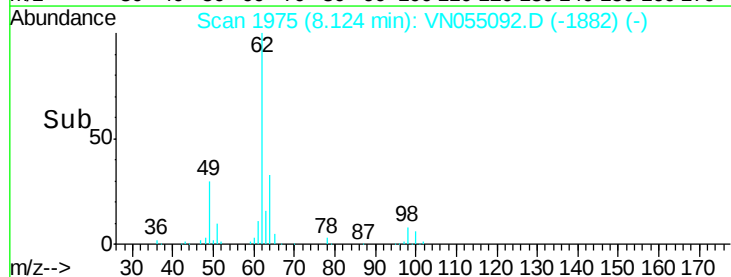
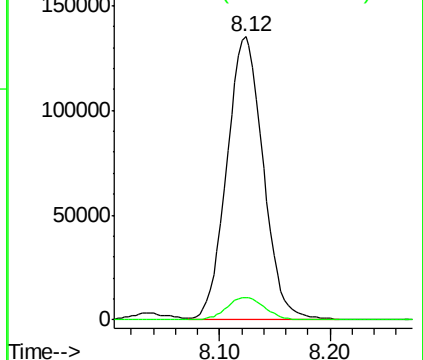
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.3   | 0.0   | 17.4  |

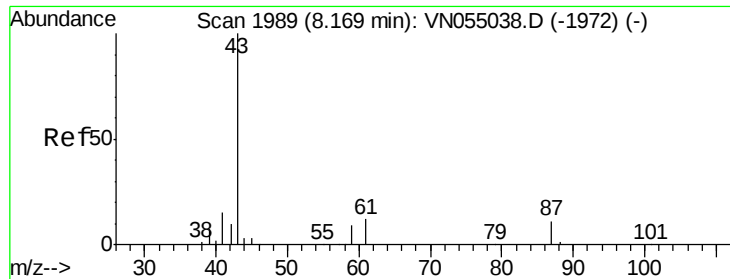


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 46.649 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

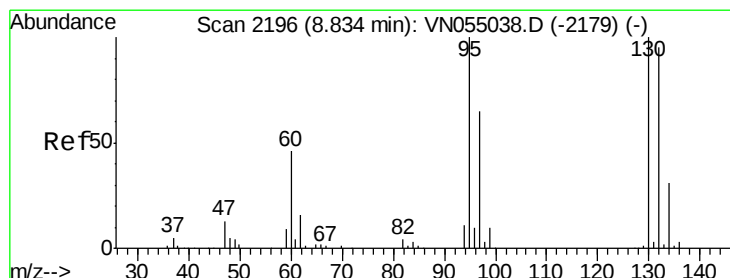
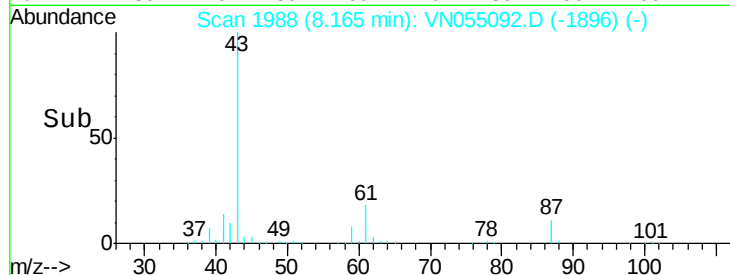
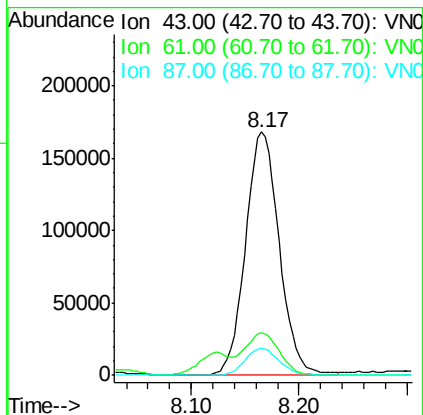
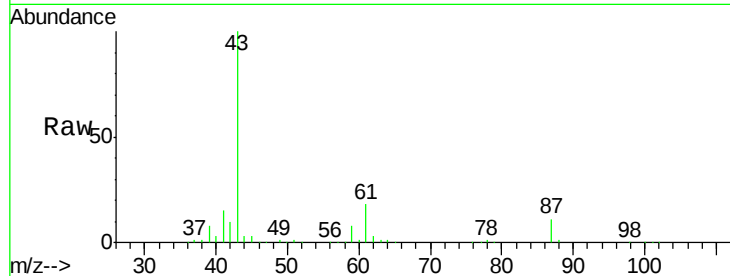
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 363661 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 17.7  | 14.3  | 21.5   |
| 87       | 11.3  | 8.6   | 13.0   |

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#44

Trichloroethene

Concen: 49.498 ug/l

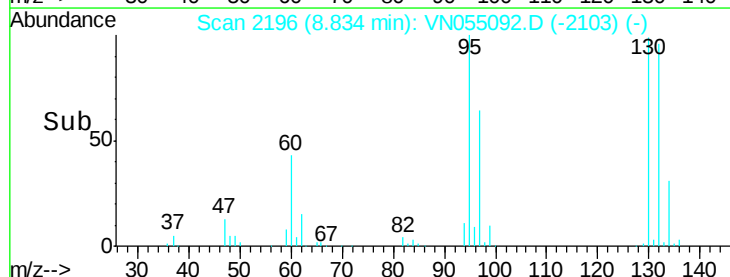
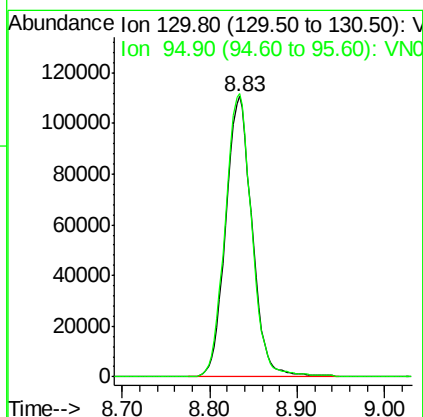
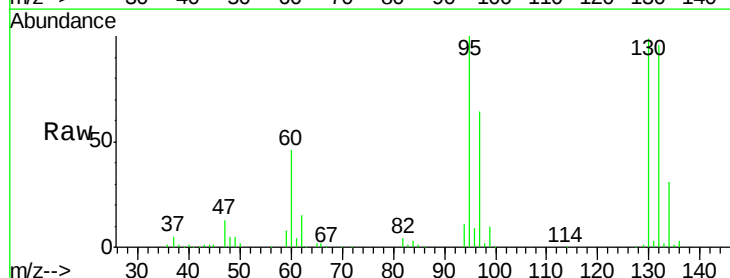
RT: 8.83 min Scan# 2196

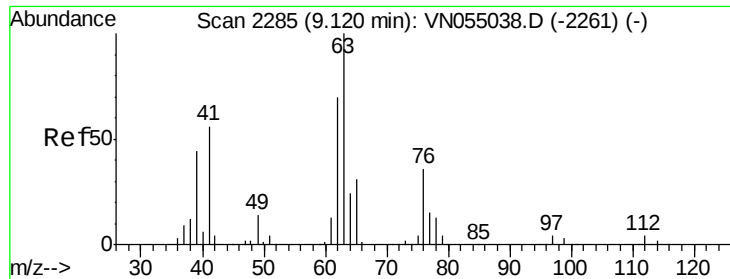
Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 232206 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 100.9 | 0.0   | 201.6  |





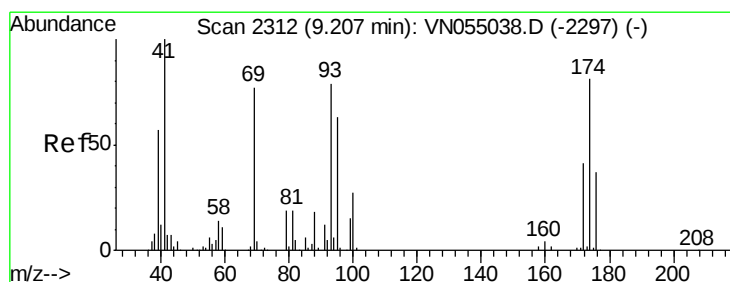
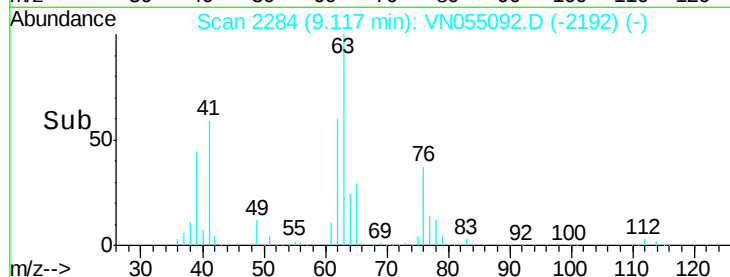
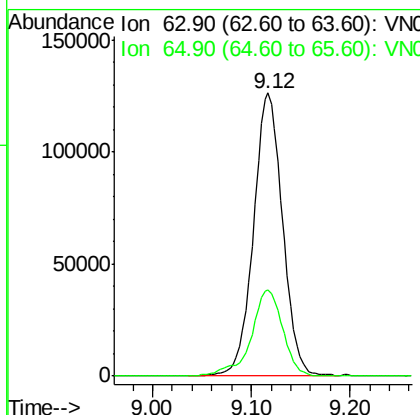
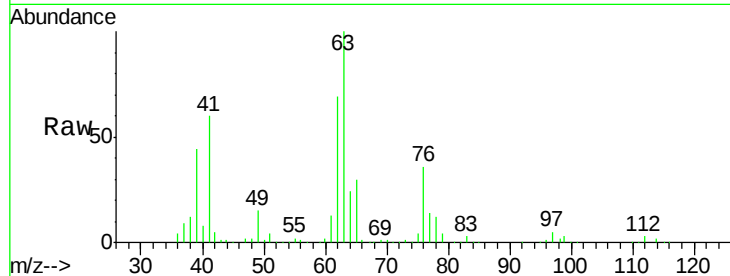
#45  
 1,2-Dichloropropane  
 Concen: 49.227 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

Tot Ion: 63 Resp: 257132  
 Ion Ratio Lower Upper  
 63 100  
 65 30.3 24.4 36.6

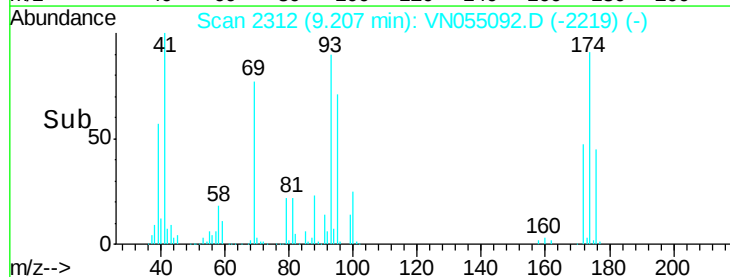
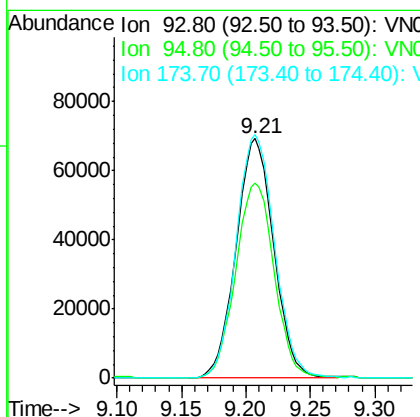
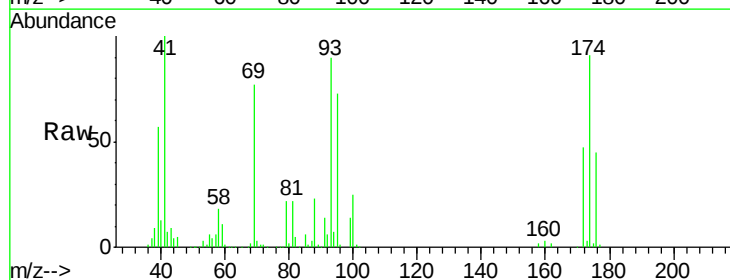
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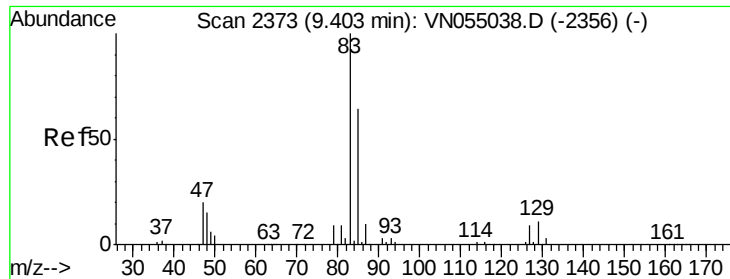
MMDadoda  
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#46  
 Dibromomethane  
 Concen: 47.510 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

Tgt Ion: 93 Resp: 141251  
 Ion Ratio Lower Upper  
 93 100  
 95 83.0 65.0 97.6  
 174 103.4 81.0 121.6





#47

Bromodichloromethane

Concen: 50.266 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

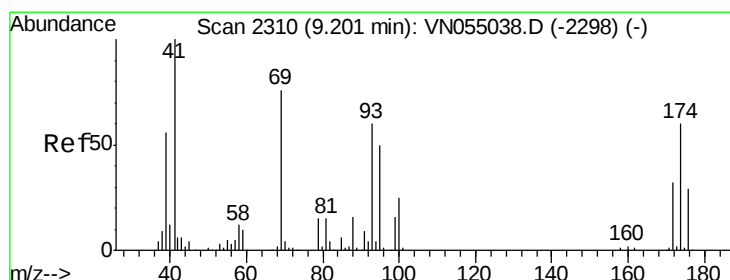
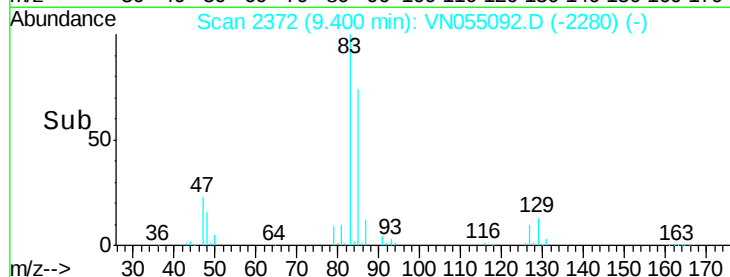
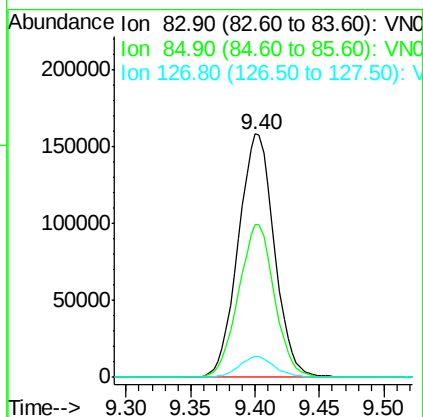
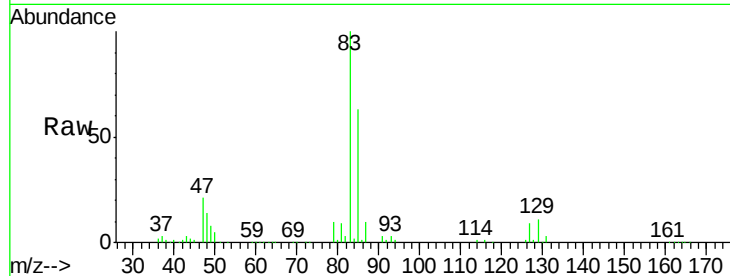
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 308115 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.7  | 51.2  | 76.8   |
| 127       | 8.7   | 6.8   | 10.2   |

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#48

Methyl methacrylate

Concen: 46.650 ug/l

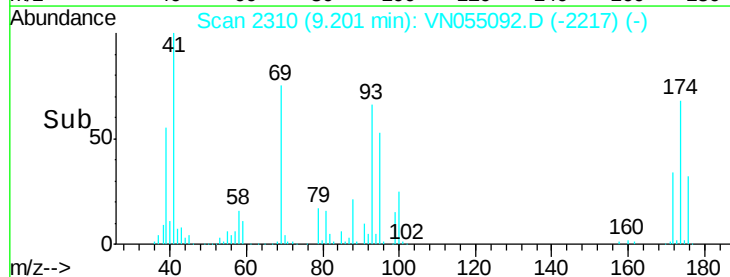
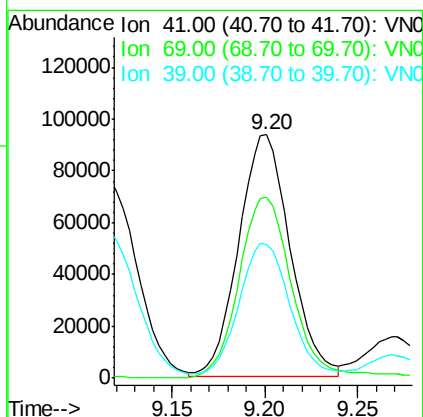
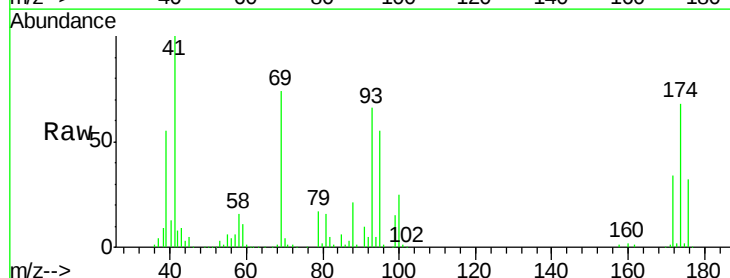
RT: 9.20 min Scan# 2310

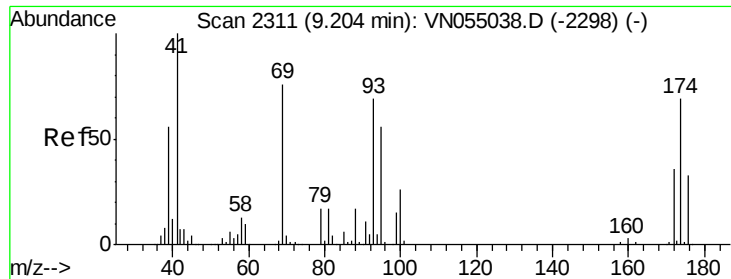
Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 180253 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 77.9  | 60.5  | 90.7   |
| 39        | 55.5  | 43.9  | 65.9   |





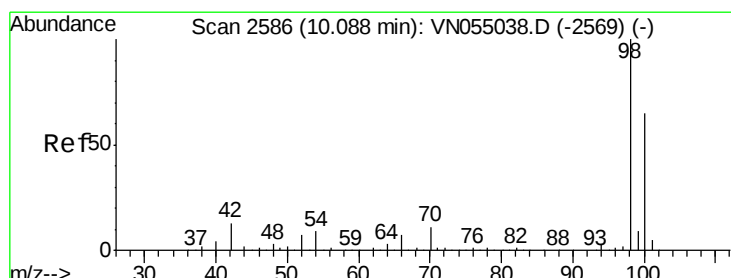
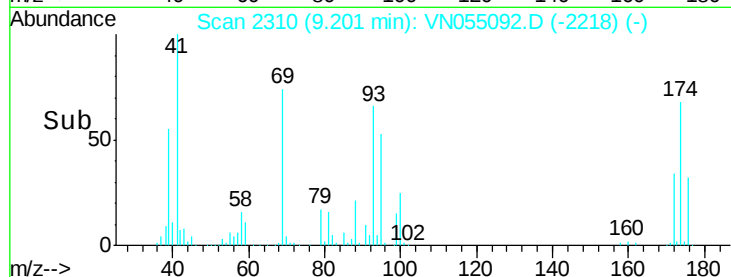
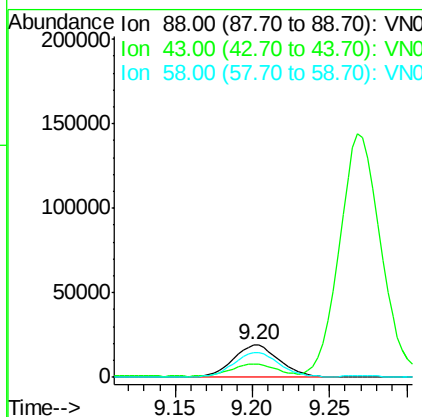
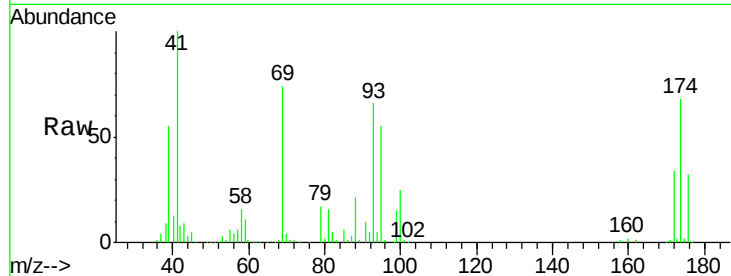
#49  
1,4-Dioxane  
Concen: 1096.834 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. -0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 88      | 100   |      |       |       |
| 43      | 37.6  |      | 31.8  | 47.8  |
| 58      | 77.3  |      | 61.6  | 92.4  |

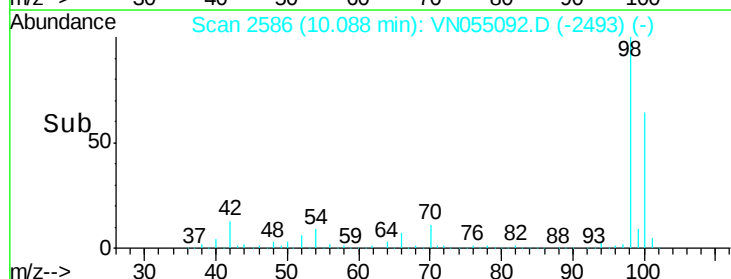
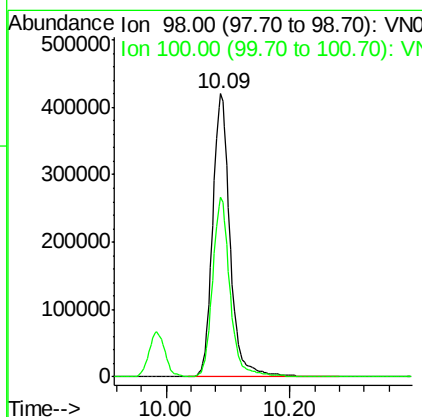
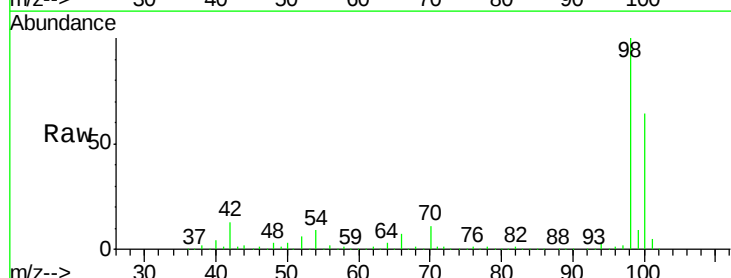
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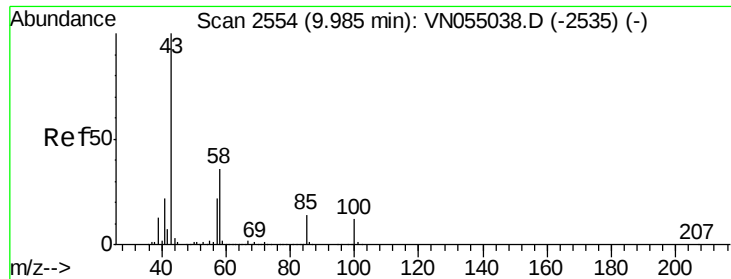
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#50  
Toluene-d8  
Concen: 52.142 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 98      | 100   |      |       |       |
| 100     | 62.3  |      | 51.1  | 76.7  |





#51

4-Methyl-2-Pentanone

Concen: 229.775 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1034838

Ion Ratio Lower Upper

43 100

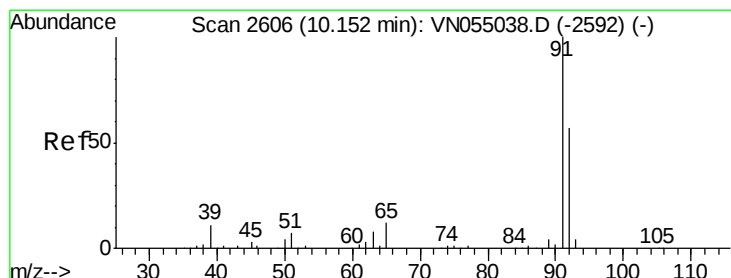
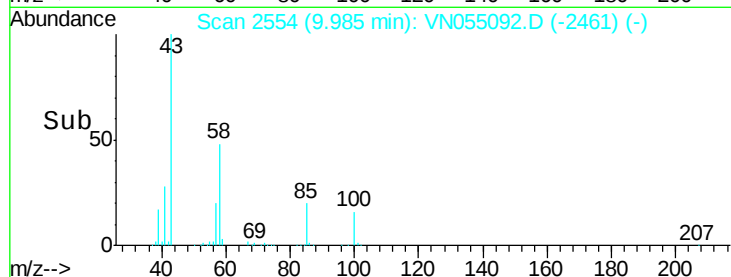
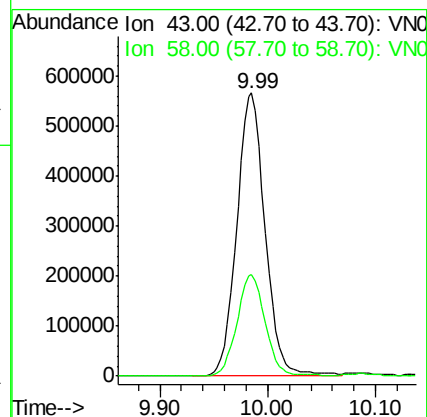
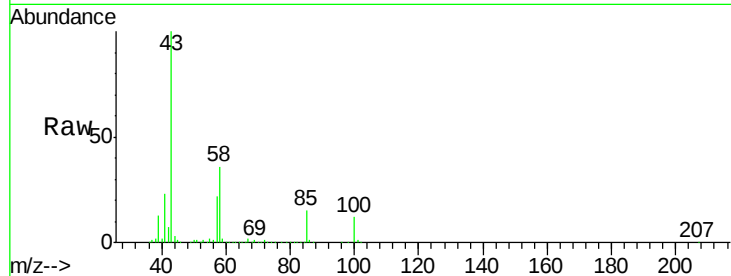
58 35.5 29.0 43.4

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#52

Toluene

Concen: 51.056 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055092.D

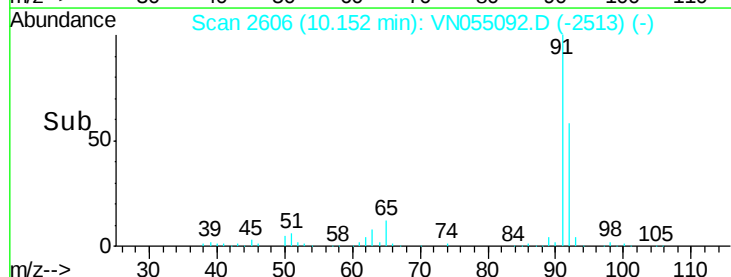
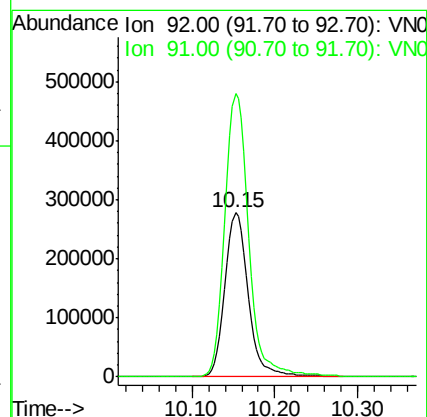
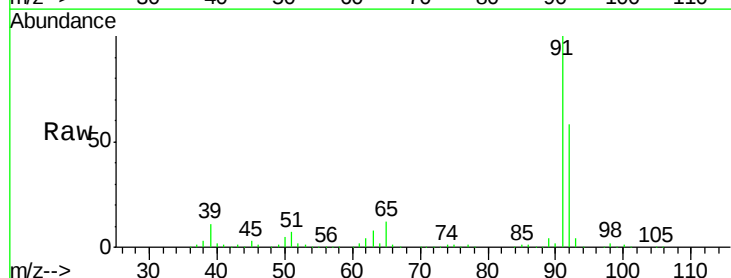
Acq: 17 Apr 2019 8:59

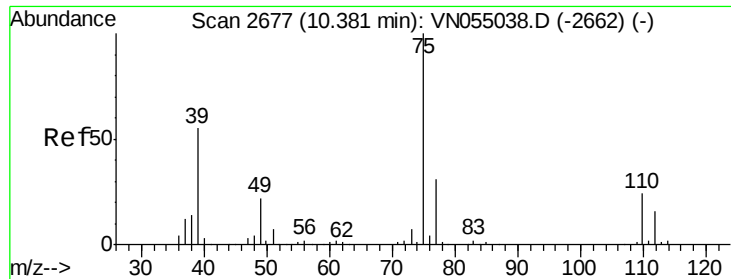
Tgt Ion: 92 Resp: 547688

Ion Ratio Lower Upper

92 100

91 175.7 140.8 211.2





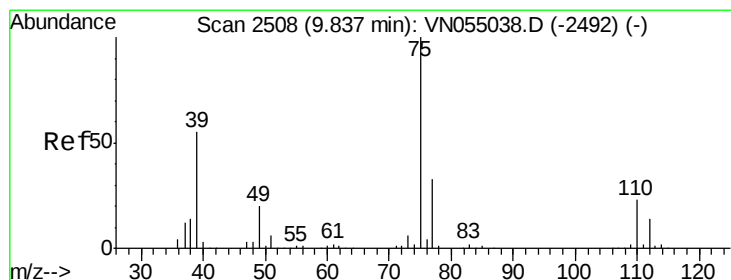
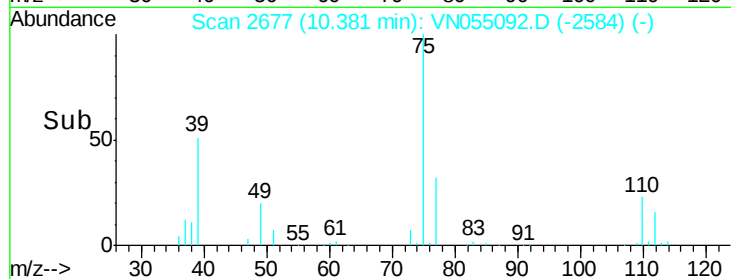
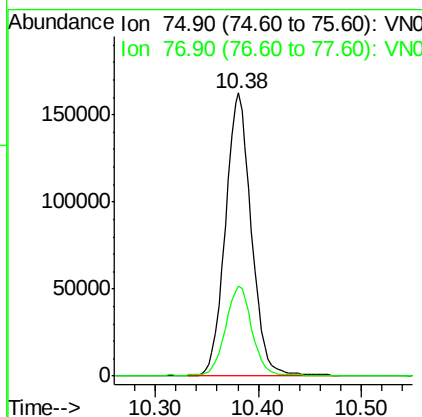
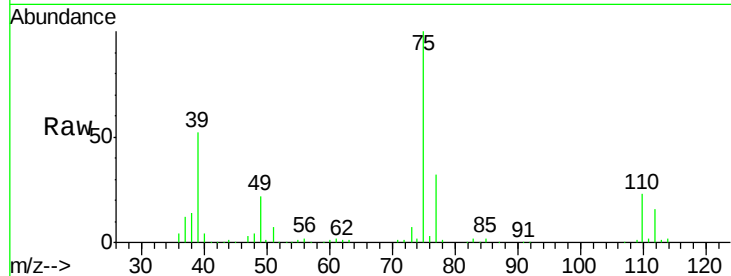
#53  
t-1,3-Dichloropropene  
Concen: 53.172 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 75 Resp: 284833  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.6 37.0

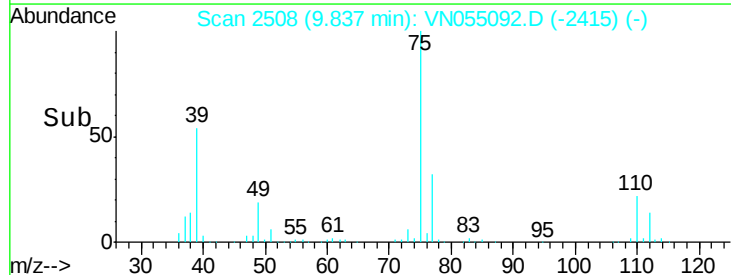
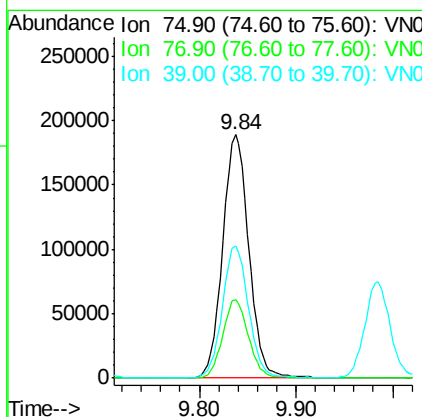
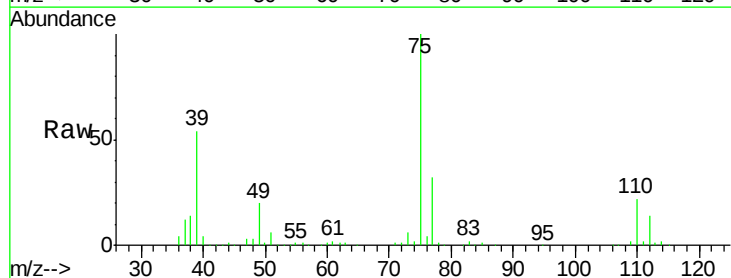
Manual Integrations  
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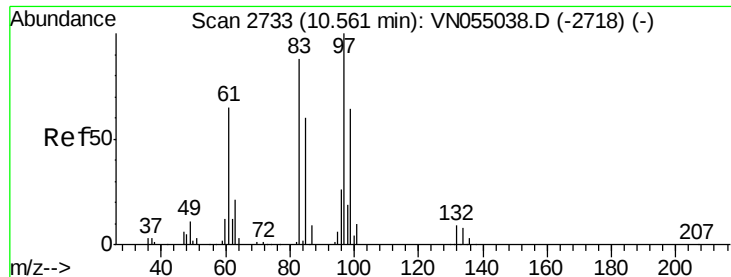
MMDadoda  
4/19/2019 12:21:18 PM



#54  
cis-1,3-Dichloropropene  
Concen: 53.539 ug/l  
RT: 9.84 min Scan# 2508  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Tgt Ion: 75 Resp: 355956  
Ion Ratio Lower Upper  
75 100  
77 32.3 25.8 38.6  
39 54.3 43.8 65.8





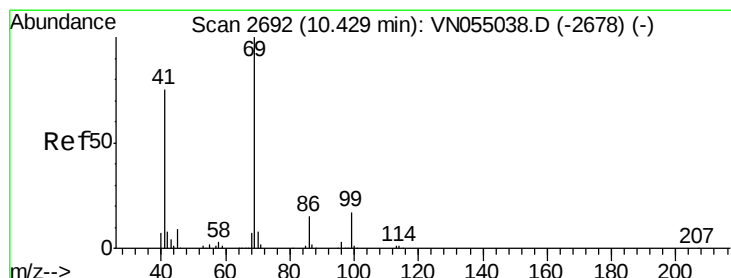
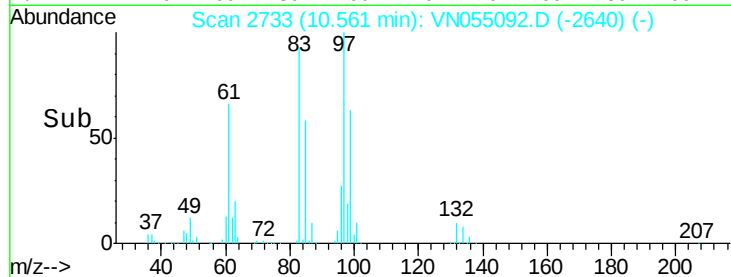
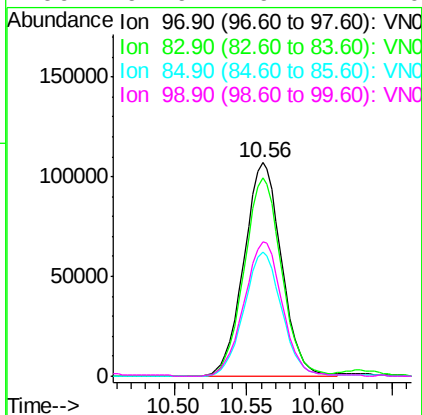
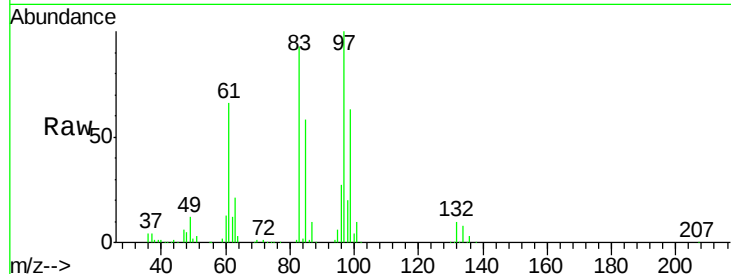
#55  
 1,1,2-Trichloroethane  
 Concen: 46.696 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 192992 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 92.7  | 70.5  | 105.7  |
| 85       | 58.1  | 45.5  | 68.3   |
| 99       | 62.6  | 49.4  | 74.0   |

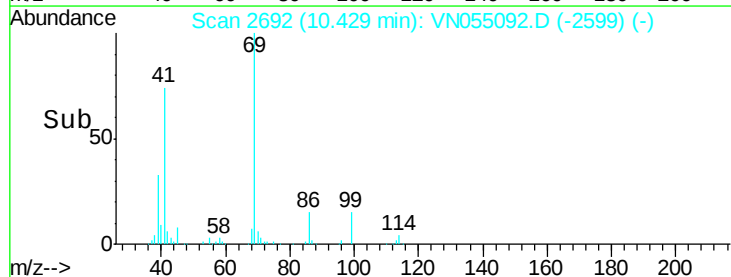
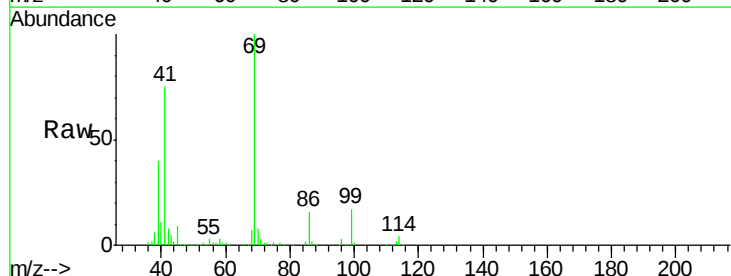
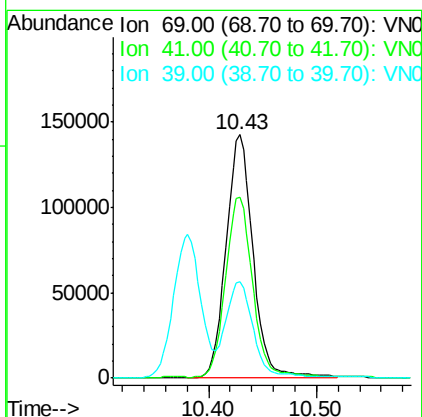
Manual Integrations  
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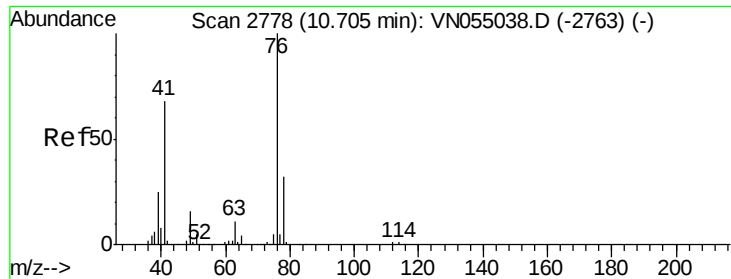
MMDadoda  
 4/19/2019 12:21:18 PM



#56  
 Ethyl methacrylate  
 Concen: 50.345 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 249712 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 74.3  | 61.4  | 92.0   |
| 39       | 38.5  | 30.8  | 46.2   |





#57

1,3-Dichloropropane

Concen: 49.006 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 344837

Ion Ratio Lower Upper

76 100

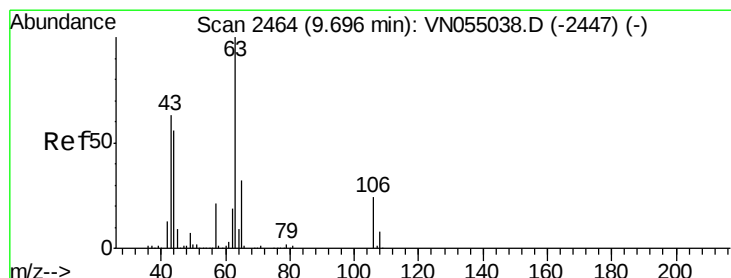
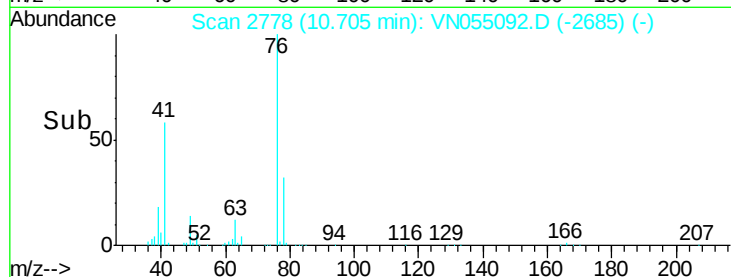
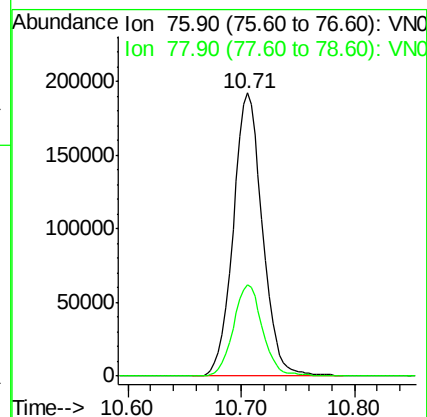
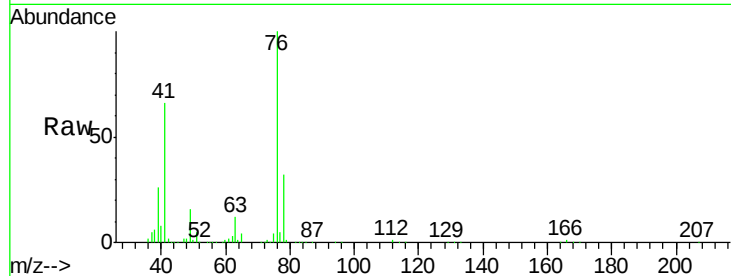
78 32.4 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 215.783 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055092.D

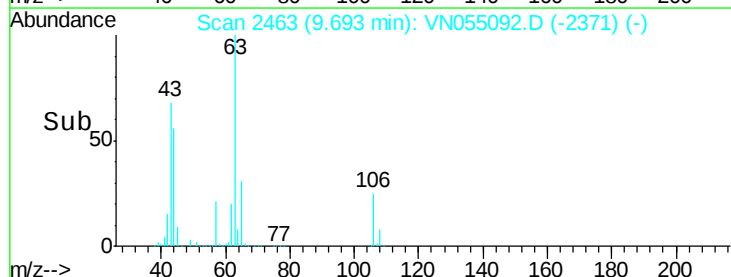
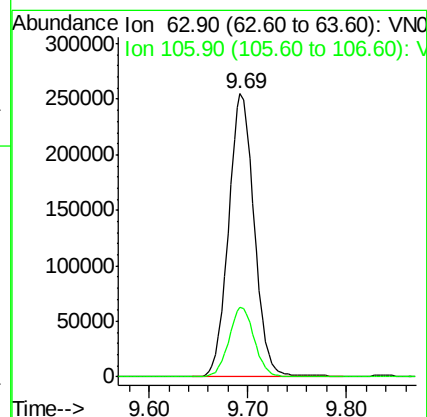
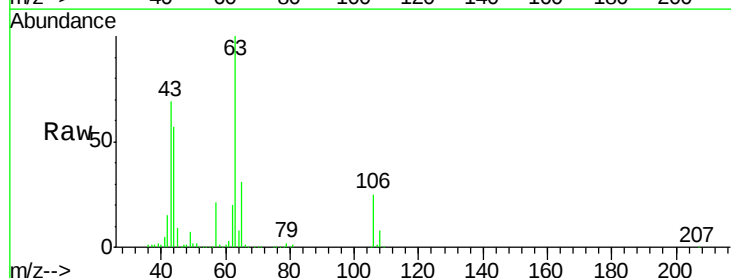
Acq: 17 Apr 2019 8:59

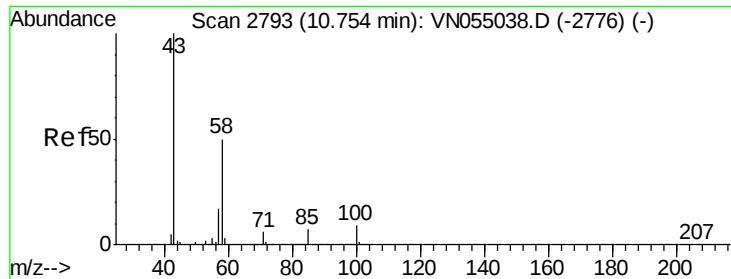
Tgt Ion: 63 Resp: 466749

Ion Ratio Lower Upper

63 100

106 24.3 20.0 30.0





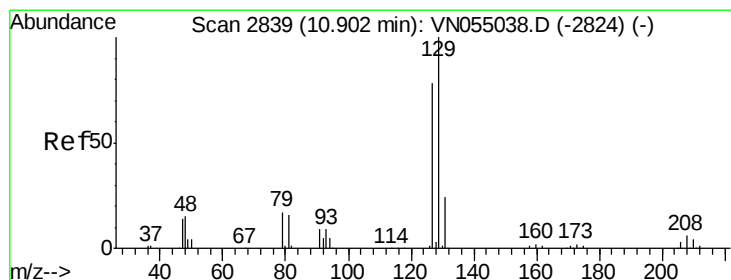
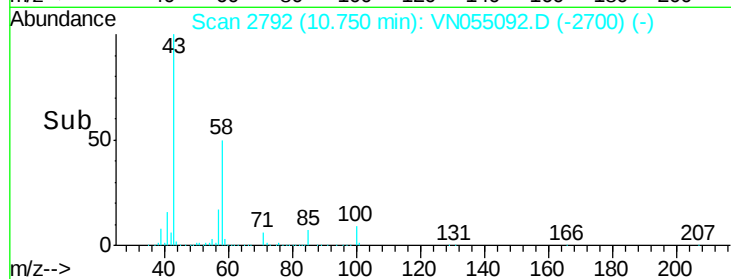
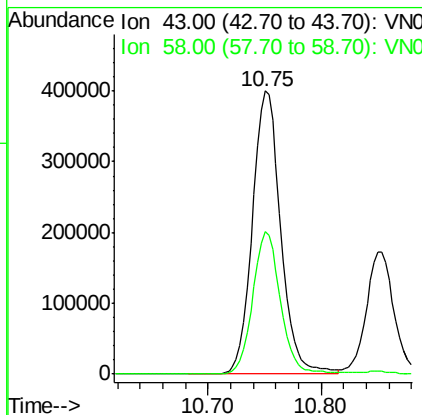
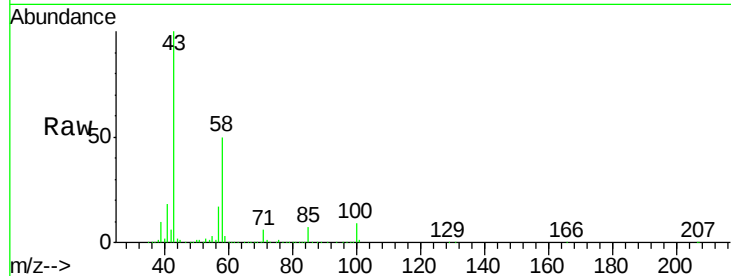
#59  
2-Hexanone  
Concen: 245.682 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 694975  
Ion Ratio Lower Upper  
43 100  
58 49.3 25.1 75.2

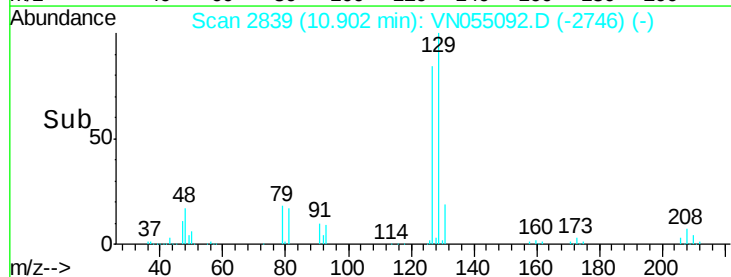
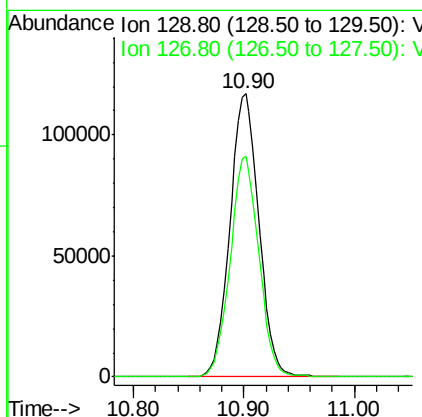
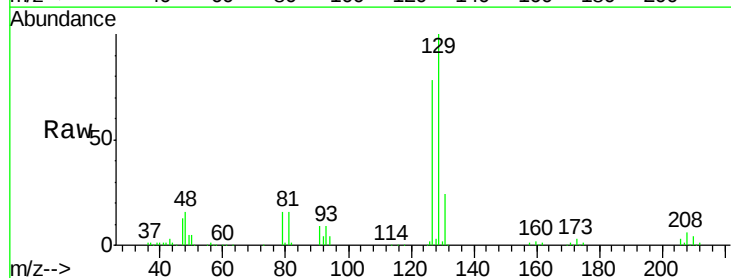
Manual Integrations  
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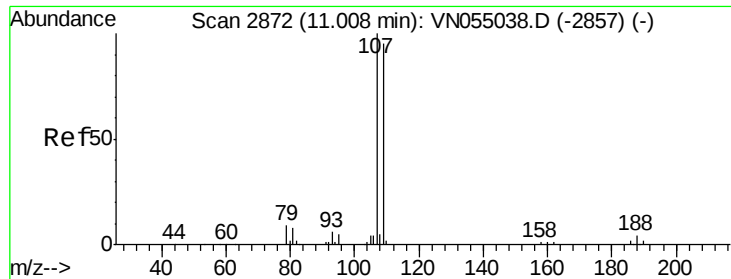
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 52.737 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Tgt Ion: 129 Resp: 212833  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.2 114.6





#61

1,2-Dibromoethane

Concen: 49.590 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 188641

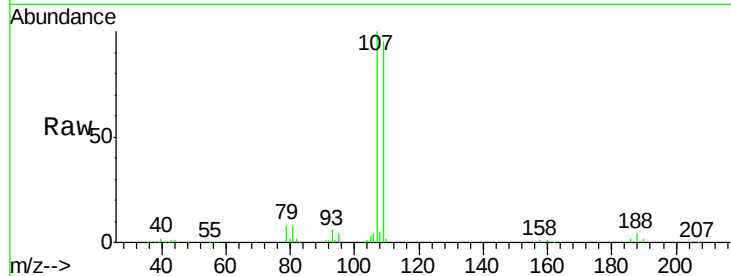
Ion Ratio Lower Upper

107 100

109 93.0 76.5 114.7

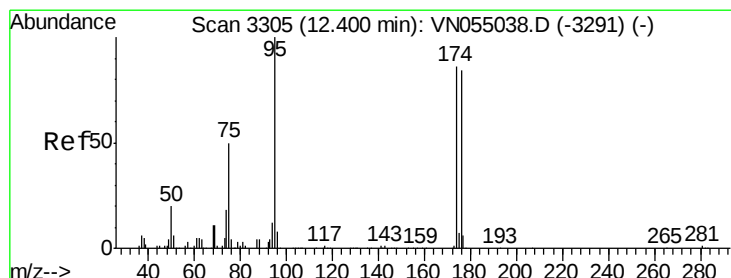
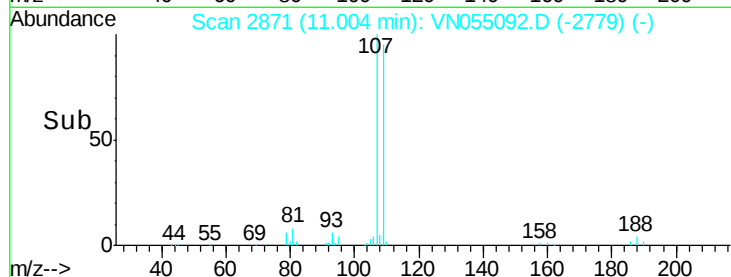
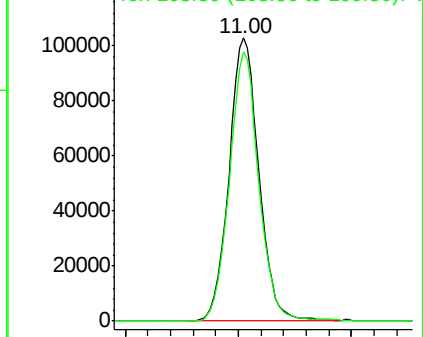
Manual Integrations  
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.368 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

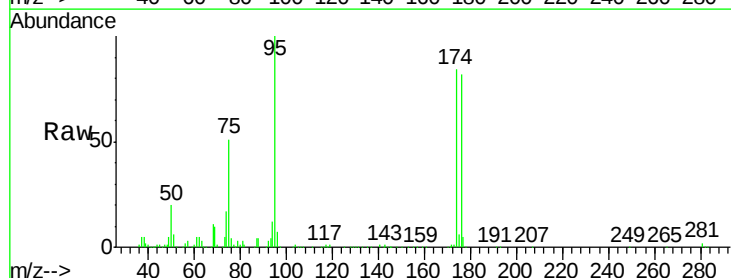
Tgt Ion: 95 Resp: 278702

Ion Ratio Lower Upper

95 100

174 84.6 0.0 174.4

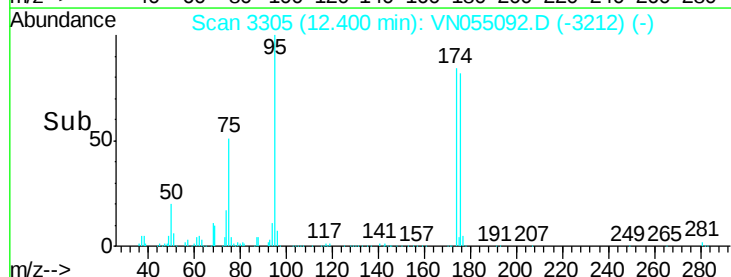
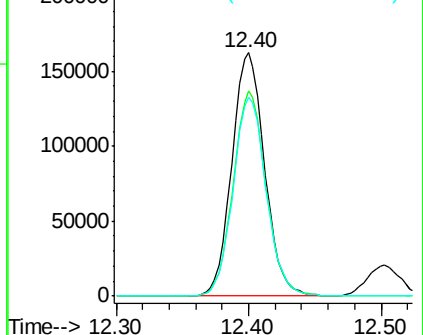
176 82.8 0.0 166.8

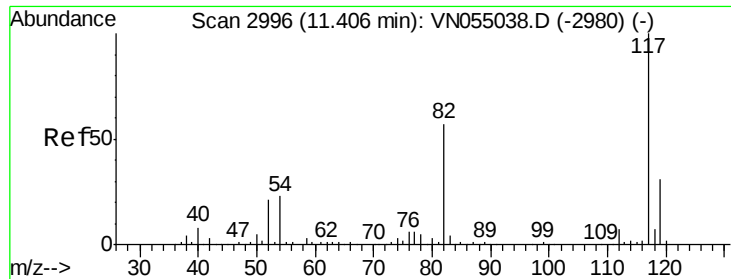


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





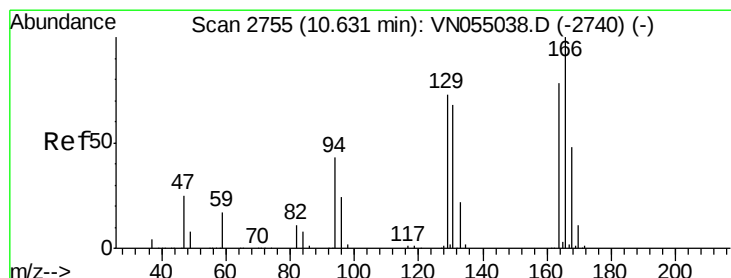
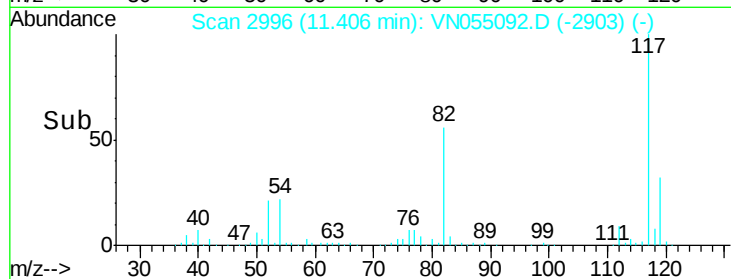
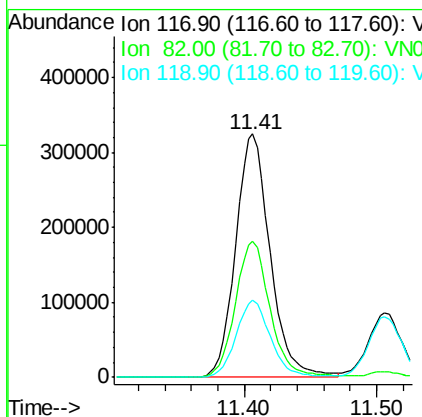
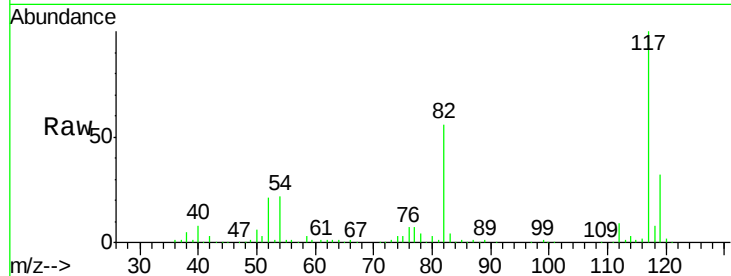
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 586828 |       |       |
| 82      | 56.1  |        | 44.6  | 66.8  |
| 119     | 31.8  |        | 25.5  | 38.3  |

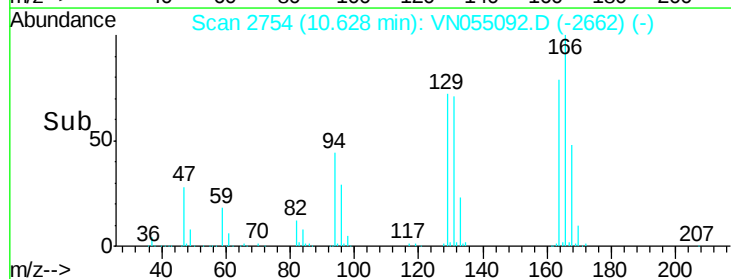
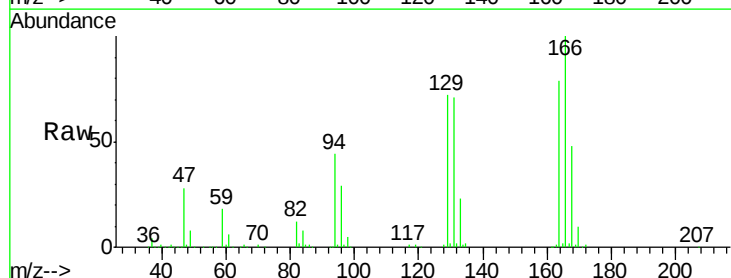
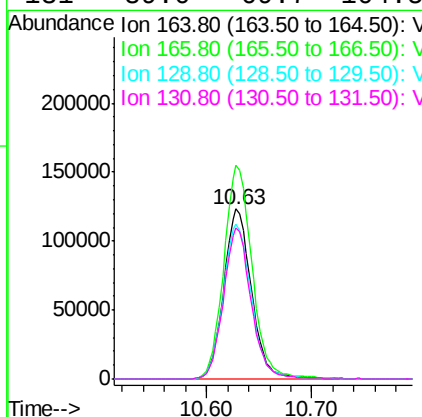
Manual Integrations  
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#64  
Tetrachloroethene  
Concen: 47.006 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 224306 |       |       |
| 166     | 125.8 |        | 100.0 | 150.0 |
| 129     | 91.0  |        | 72.0  | 108.0 |
| 131     | 89.0  |        | 69.7  | 104.5 |





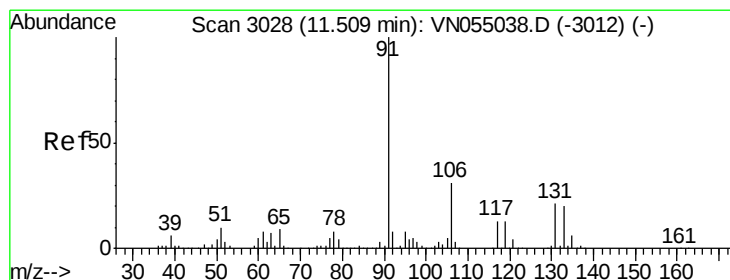
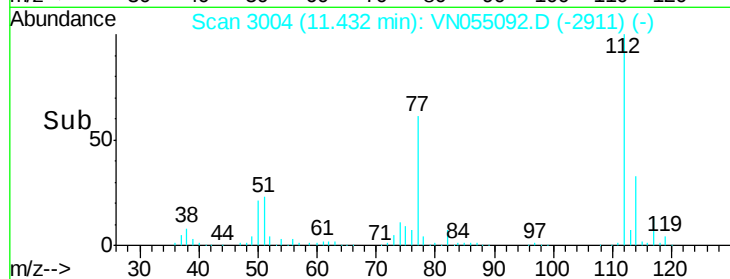
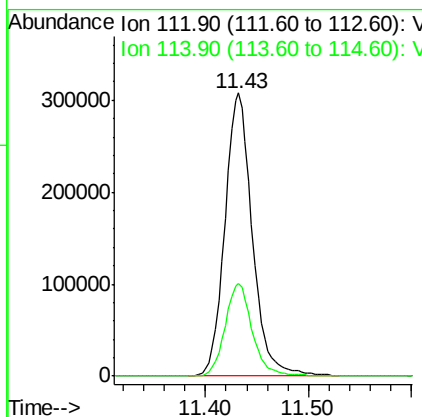
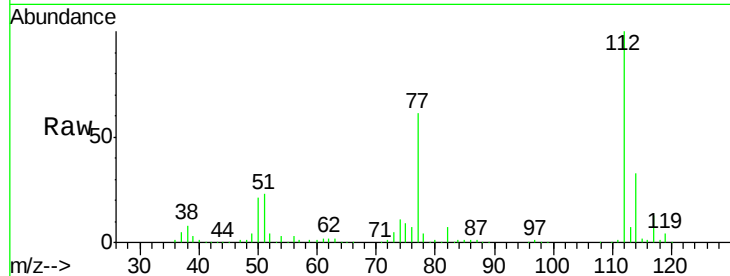
#65  
Chlorobenzene  
Concen: 48.308 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:112 Resp: 570628  
Ion Ratio Lower Upper  
112 100  
114 32.7 25.3 37.9

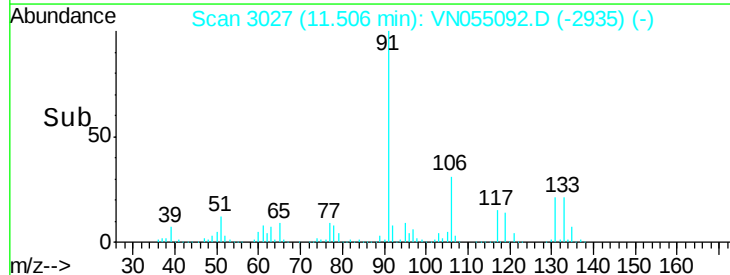
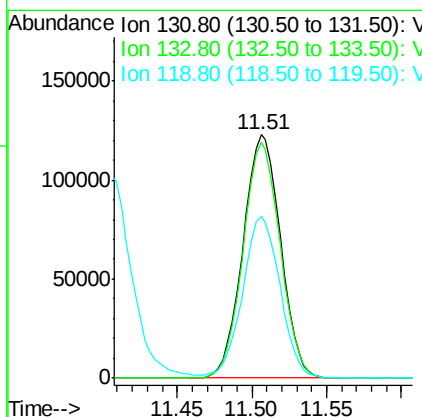
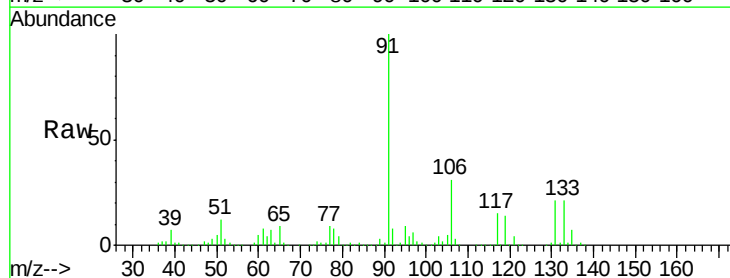
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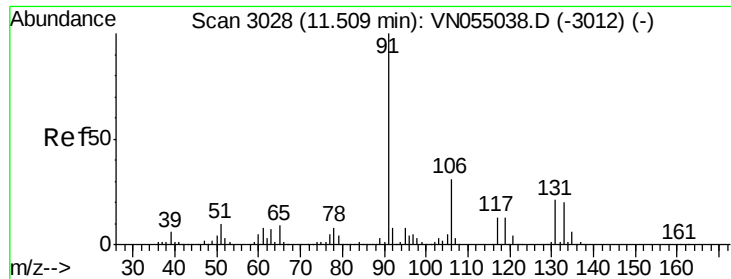
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.503 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Tgt Ion:131 Resp: 215068  
Ion Ratio Lower Upper  
131 100  
133 95.8 47.8 143.3  
119 66.4 33.6 100.6





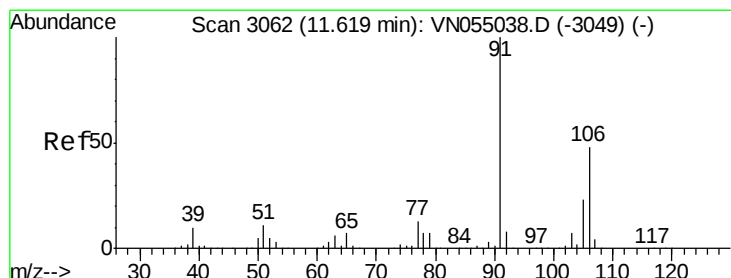
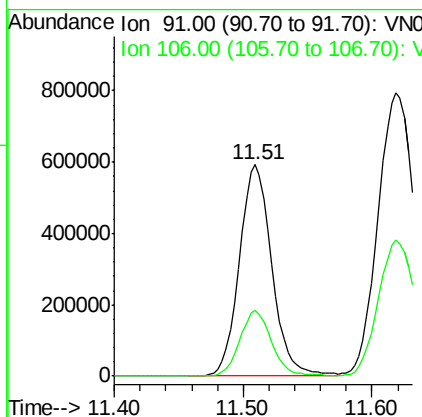
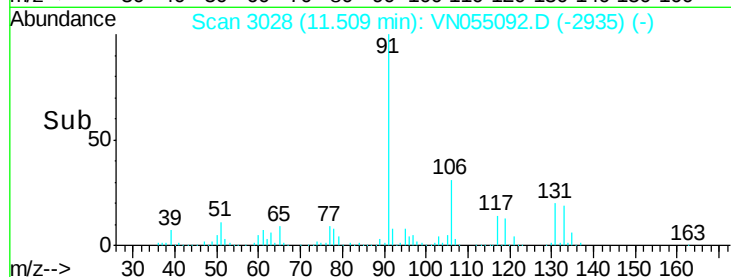
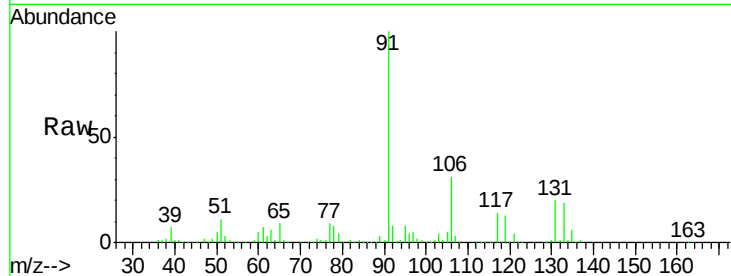
#67  
Ethyl Benzene  
Concen: 49.317 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion: 91 Resp: 1040336  
Ion Ratio Lower Upper  
91 100  
106 30.9 24.3 36.5

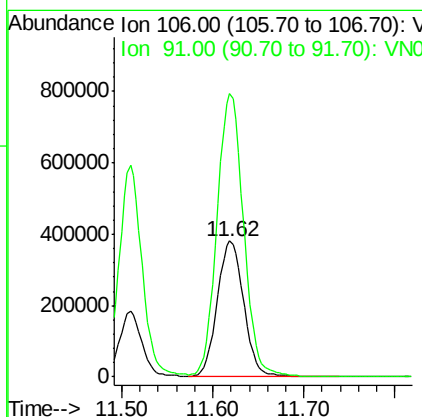
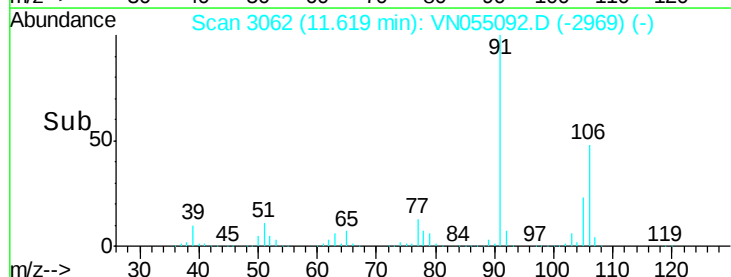
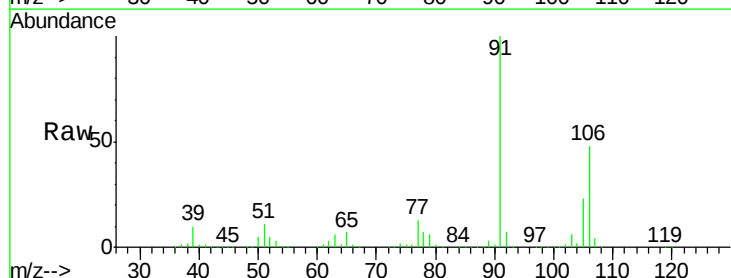
Manual Integrations  
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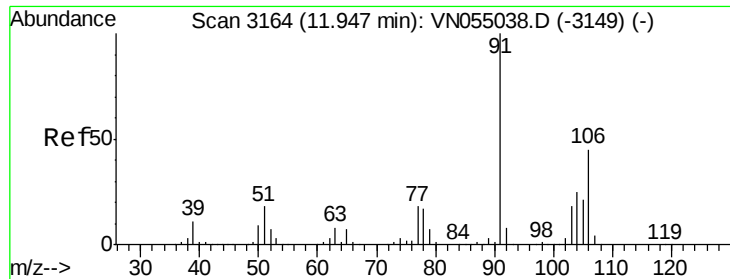
MMDadoda  
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#68  
m/p-Xylenes  
Concen: 101.326 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Tgt Ion: 106 Resp: 773999  
Ion Ratio Lower Upper  
106 100  
91 208.6 165.9 248.9





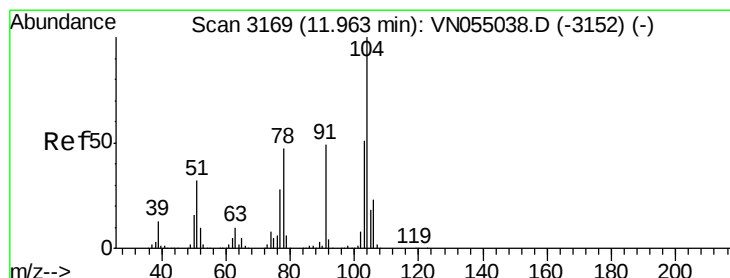
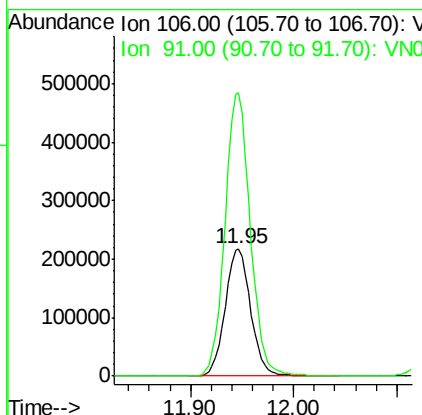
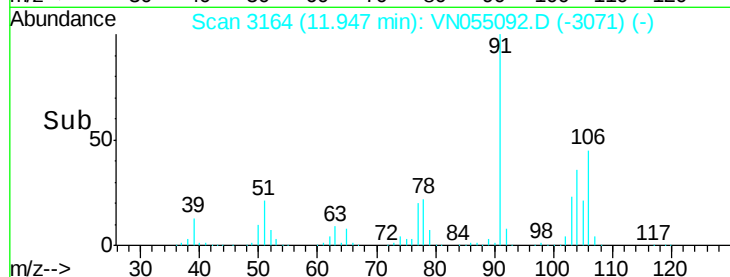
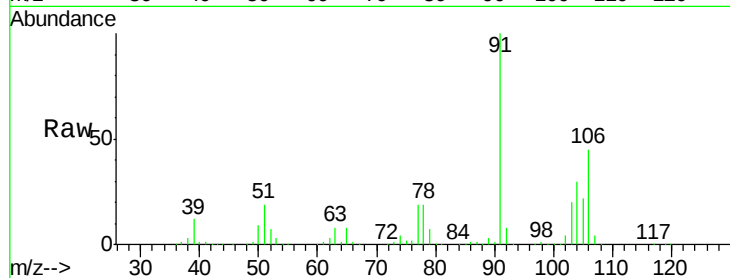
#69  
o-Xylene  
Concen: 50.774 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

Tot Ion:106 Resp: 375652  
Ion Ratio Lower Upper  
106 100  
91 220.3 109.9 329.8

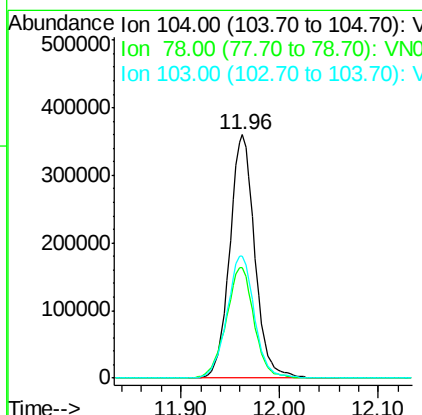
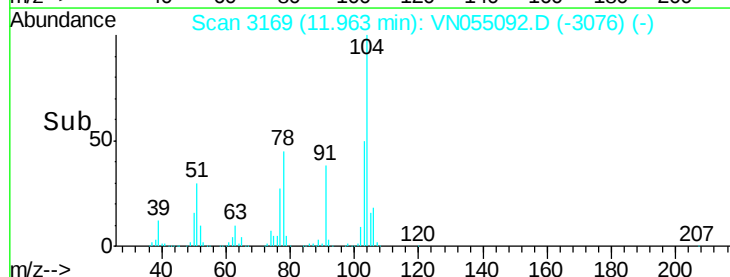
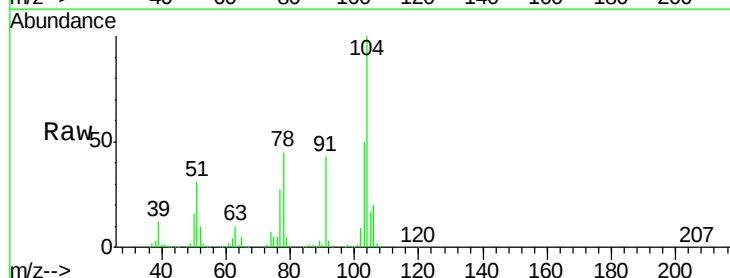
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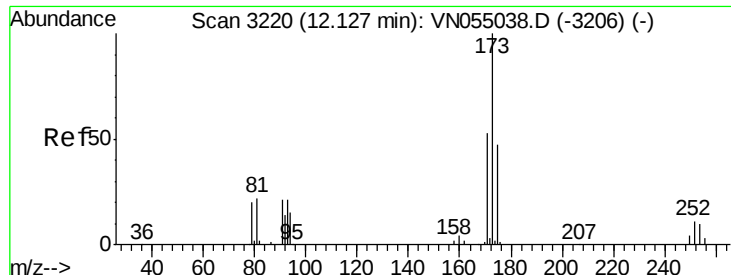
MMDadoda  
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#70  
Styrene  
Concen: 53.282 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Tgt Ion:104 Resp: 638101  
Ion Ratio Lower Upper  
104 100  
78 50.7 40.3 60.5  
103 55.1 44.3 66.5





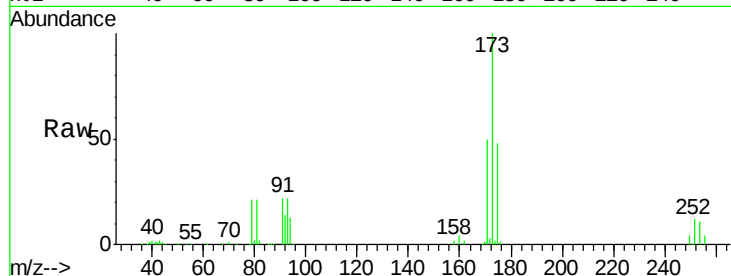
#71  
Bromoform  
Concen: 52.504 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

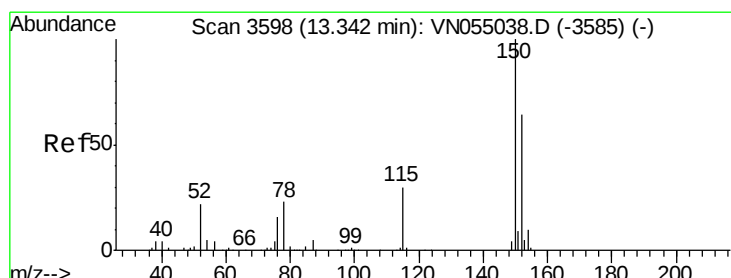
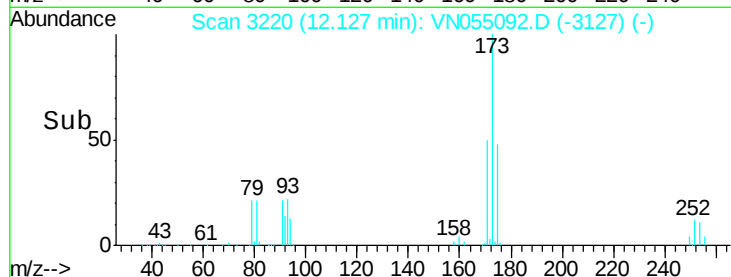
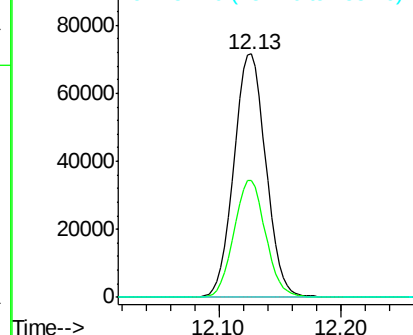
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.6  | 24.3  | 73.0  |
| 254     | 0.1   | 0.1   | 0.1   |

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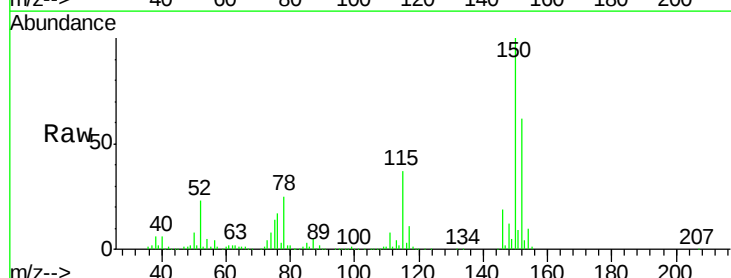


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

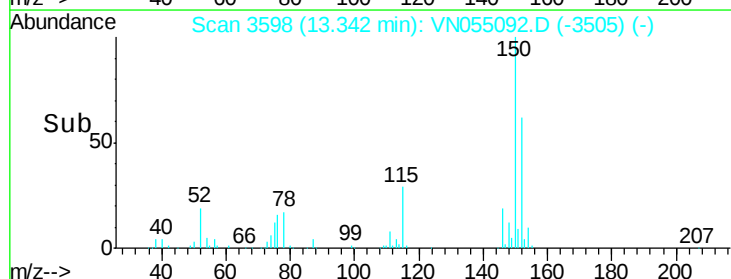
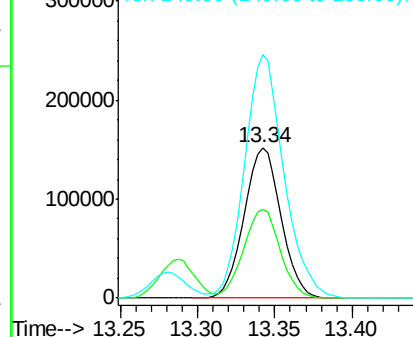


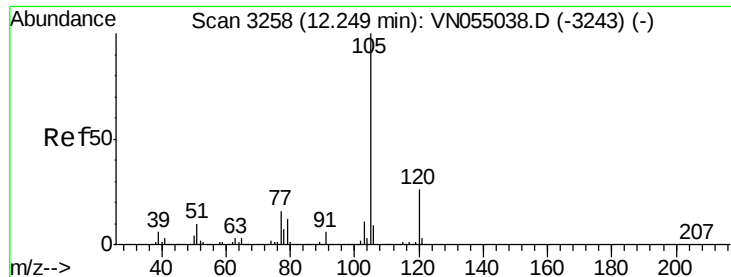
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.8  | 28.5  | 85.6  |
| 150     | 173.6 | 0.0   | 347.2 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





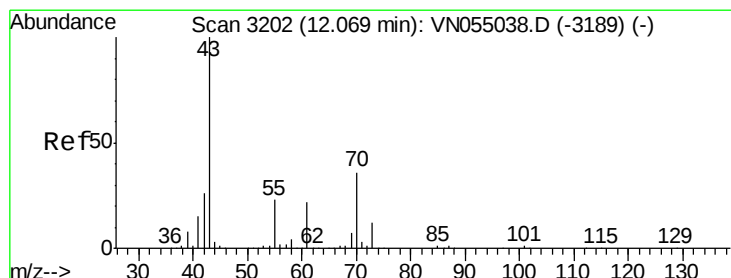
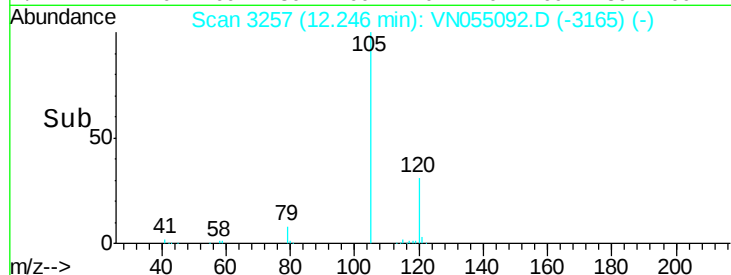
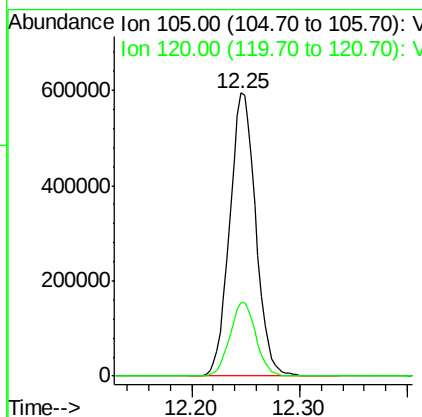
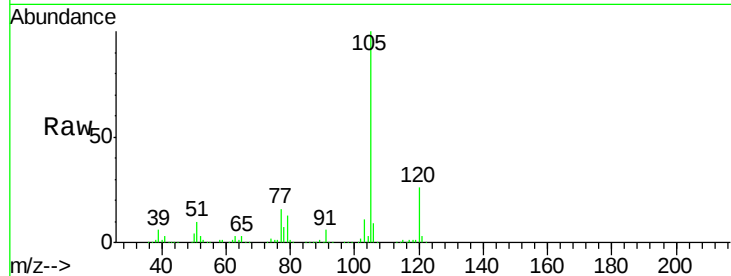
#73  
Isopropylbenzene  
Concen: 44.975 ug/l  
RT: 12.25 min Scan# 3257  
Delta R.T. -0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion:105 Resp: 1002501  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.3 39.9

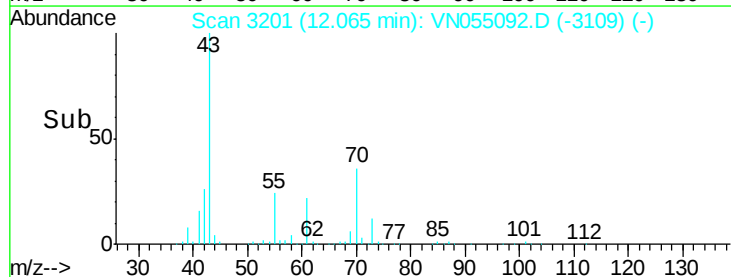
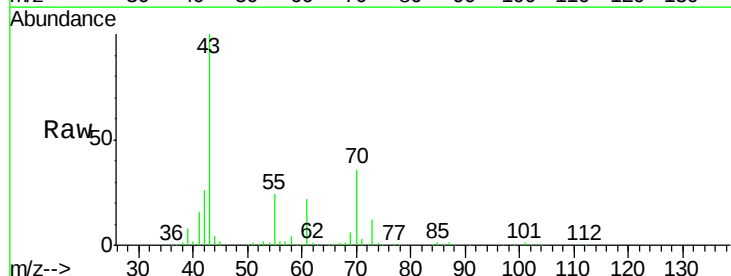
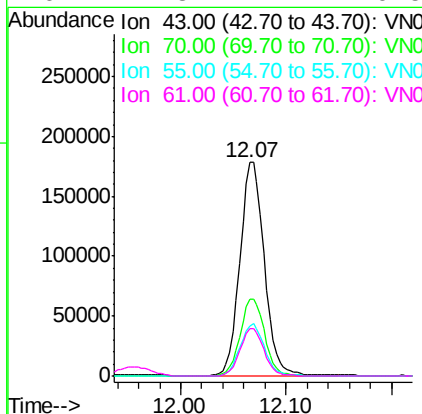
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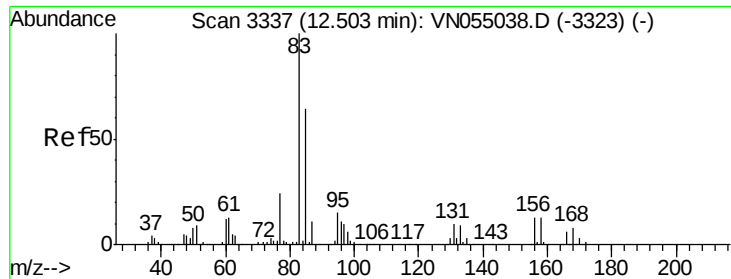
MMDadoda  
4/19/2019 12:21:18 PM



#74  
N-ethyl acetate  
Concen: 45.576 ug/l  
RT: 12.07 min Scan# 3201  
Delta R.T. -0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Tgt Ion: 43 Resp: 285979  
Ion Ratio Lower Upper  
43 100  
70 36.5 29.4 44.0  
55 24.6 19.0 28.4  
61 21.8 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 39.548 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

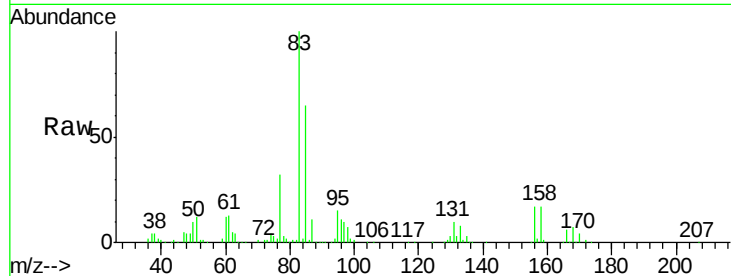
ClientSampleId :

VSTDCCC050

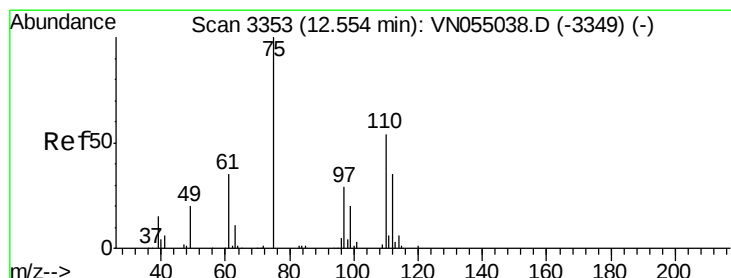
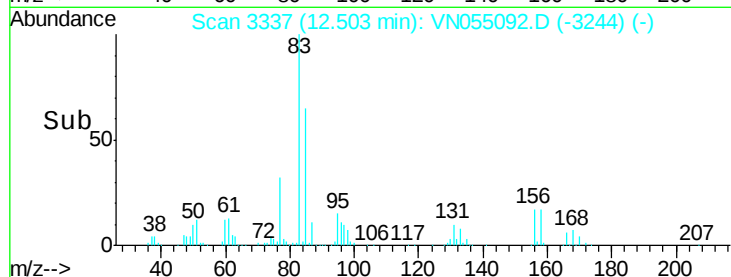
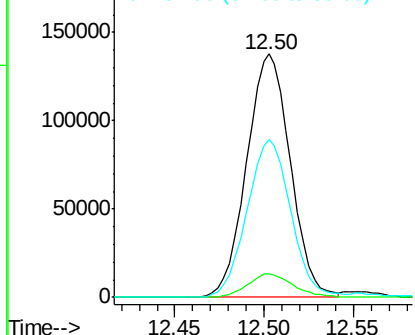
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 235884 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.2  | 5.0   | 15.0   |
| 85        | 64.9  | 32.3  | 96.9   |

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Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 130.80 (130.50 to 131.50): VNO  
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 42.448 ug/l m

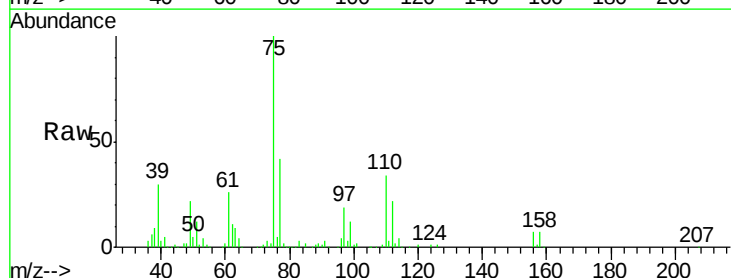
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

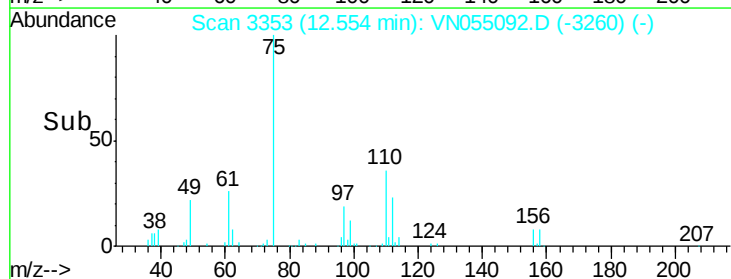
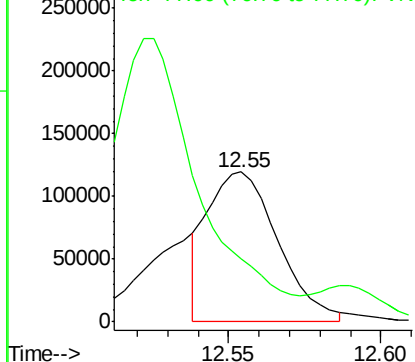
Lab File: VN055092.D

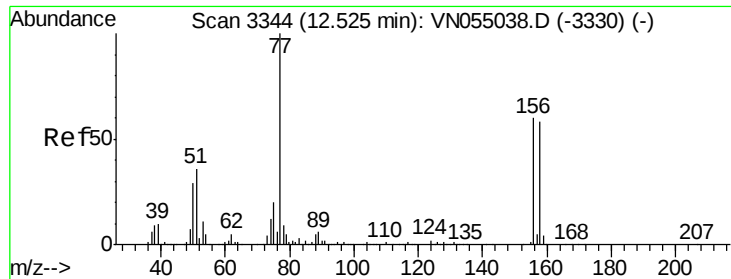
Acq: 17 Apr 2019 8:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 191741 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 44.033 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

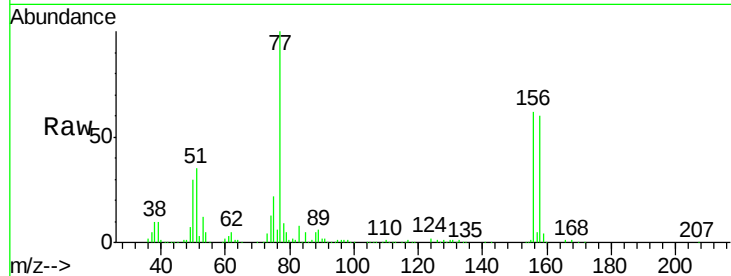
ClientSampleId :

VSTDCCC050

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 244694  | 156 | 100   |       |       |
| 291.5   | 77  | 190.9 | 97.2  |       |
| 145.9   | 158 | 97.6  | 48.6  |       |

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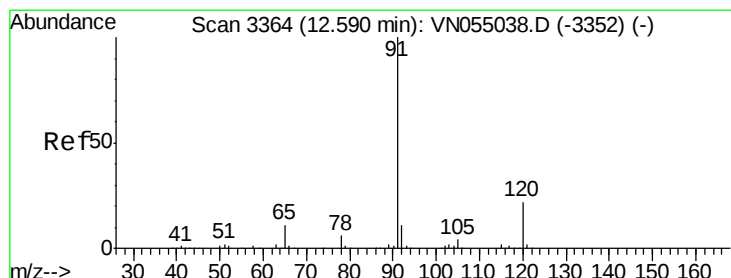
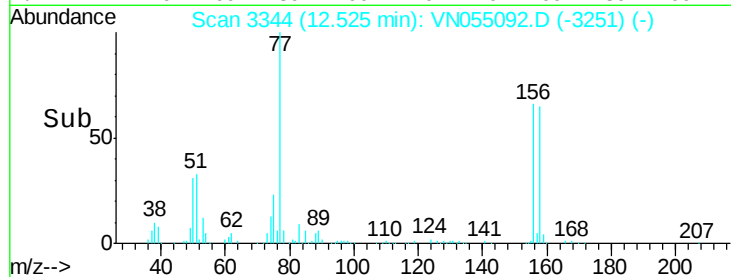
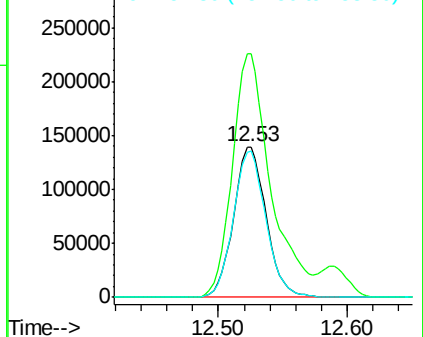


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.628 ug/l

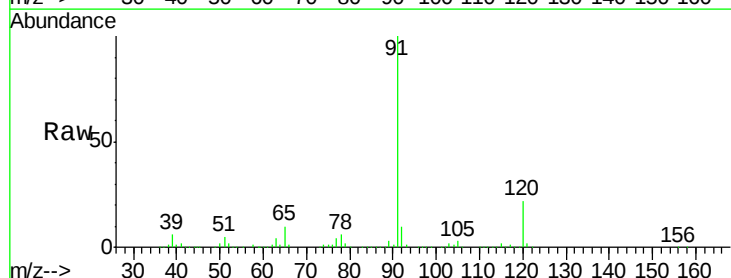
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

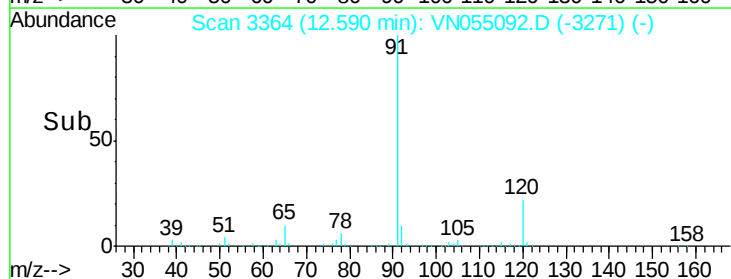
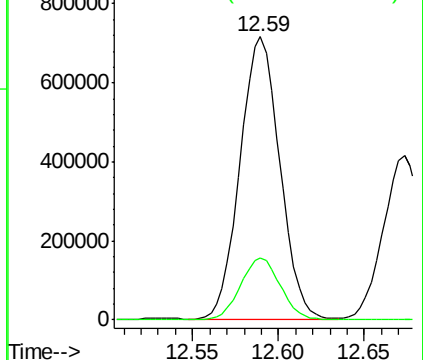
| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 1147025 | 91  | 100   |       |       |
| 33.5    | 120 | 22.2  | 11.2  |       |

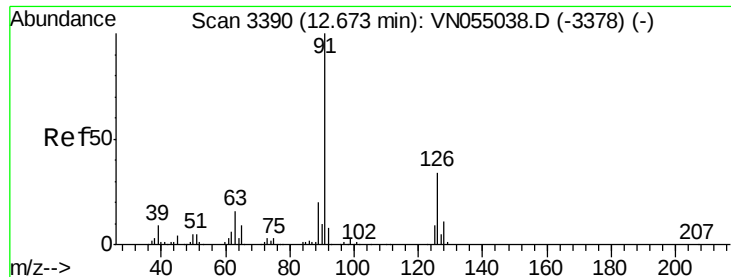


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.742 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 687106

Ion Ratio Lower Upper

91 100

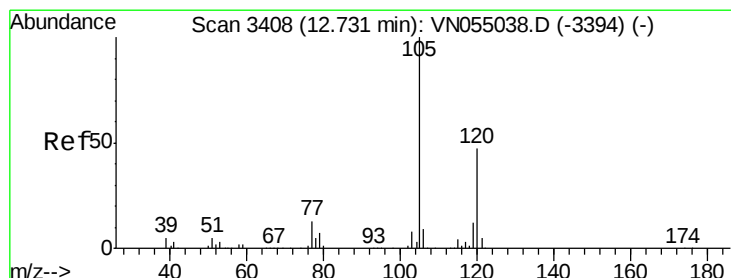
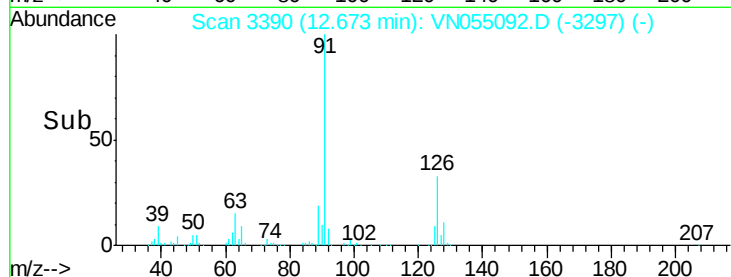
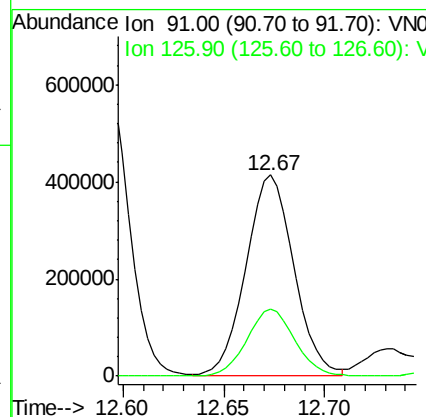
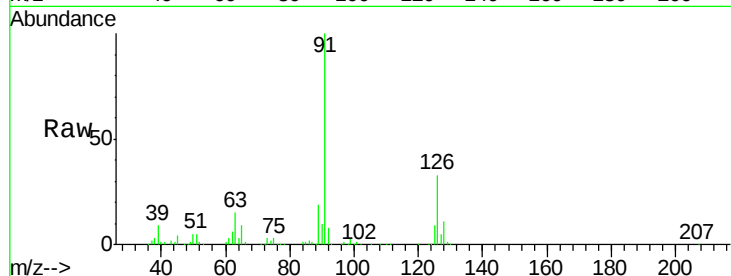
126 33.7 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 46.485 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055092.D

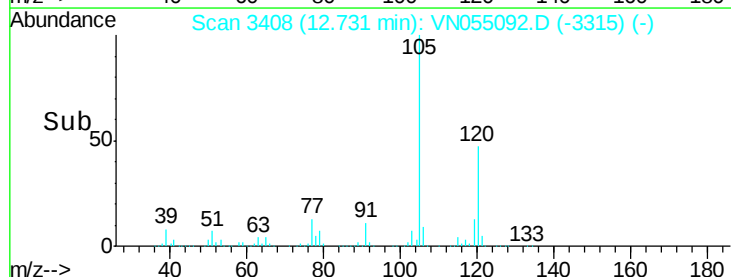
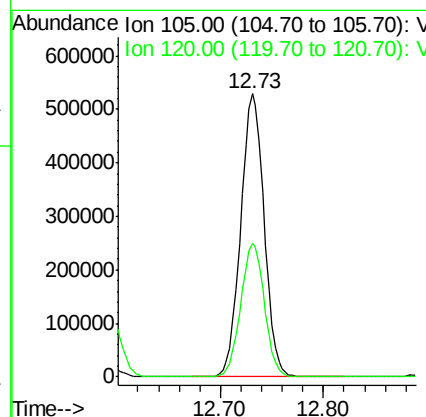
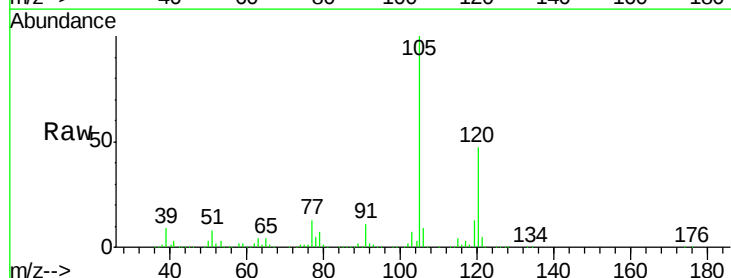
Acq: 17 Apr 2019 8:59

Tgt Ion: 105 Resp: 836174

Ion Ratio Lower Upper

105 100

120 47.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.745 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

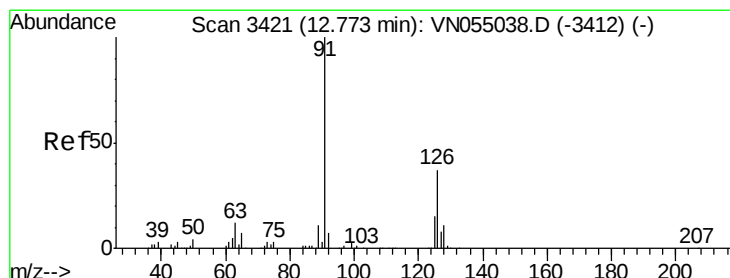
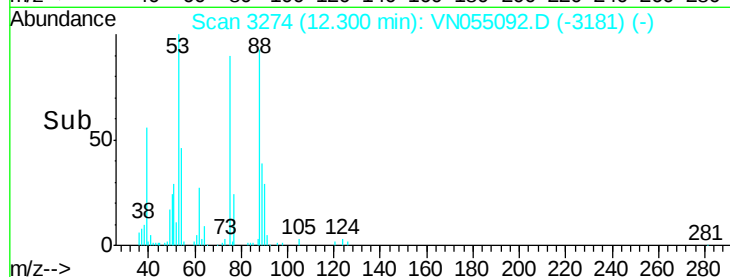
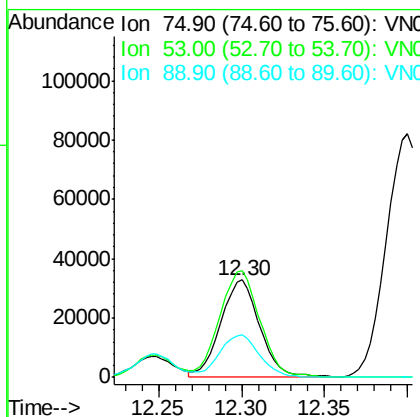
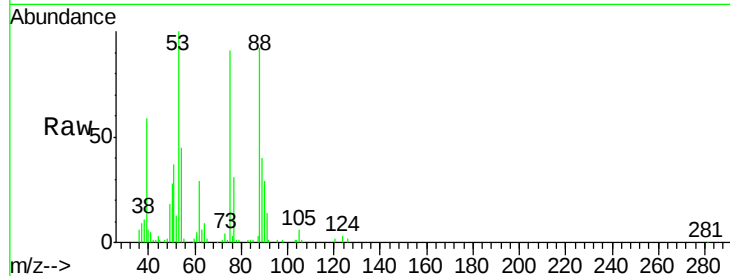
ClientSampleId :

VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 52803 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 116.2 | 96.3  | 144.5 |
| 89       | 46.0  | 38.6  | 57.8  |

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#82

4-Chlorotoluene

Concen: 48.264 ug/l

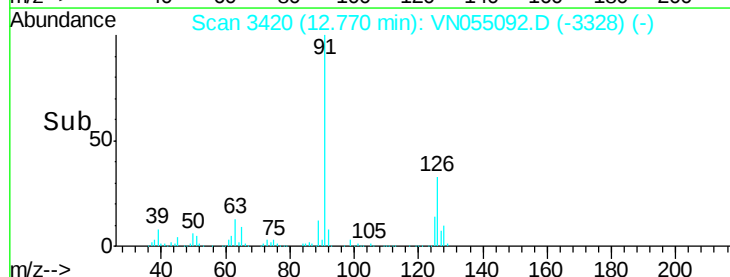
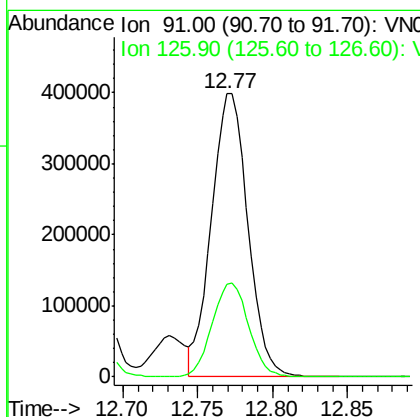
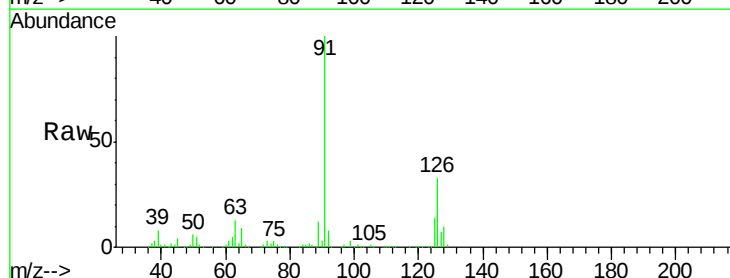
RT: 12.77 min Scan# 3420

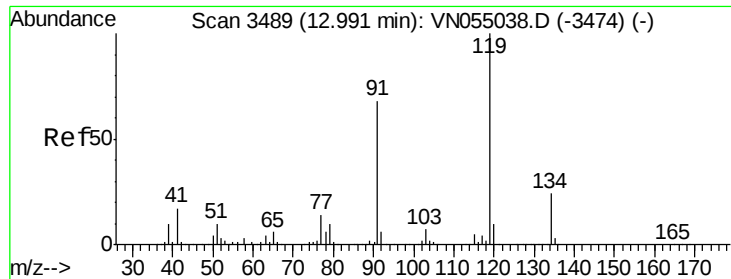
Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 676409 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 33.4  | 16.4  | 49.2   |





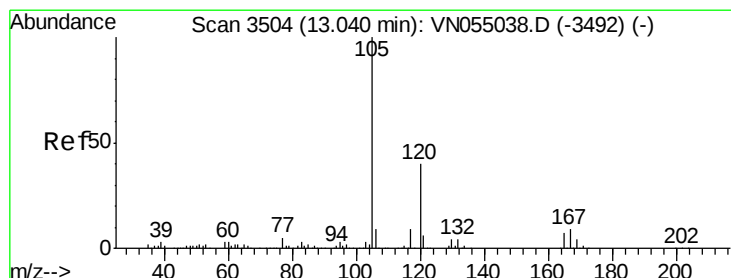
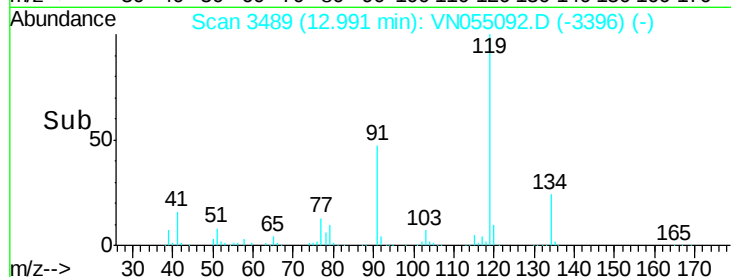
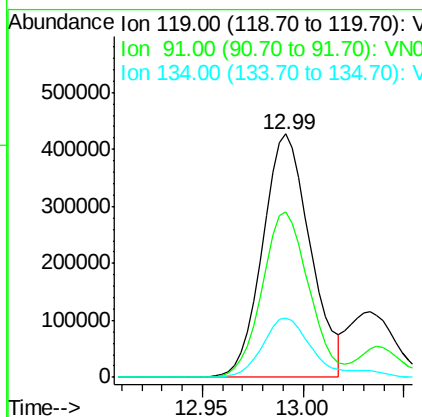
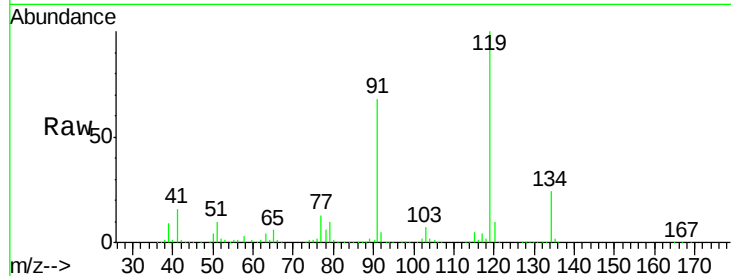
#83  
 tert-Butylbenzene  
 Concen: 46.267 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 702865 |       |       |
| 91      | 66.6  |        | 33.3  | 99.8  |
| 134     | 26.3  |        | 12.3  | 36.9  |

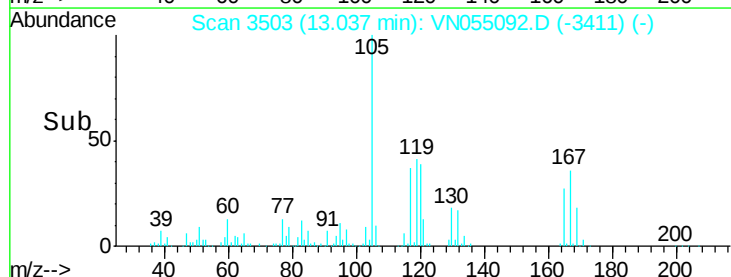
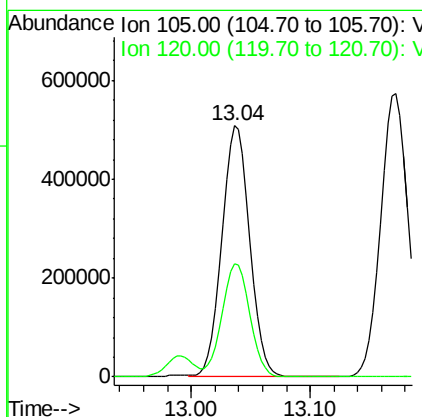
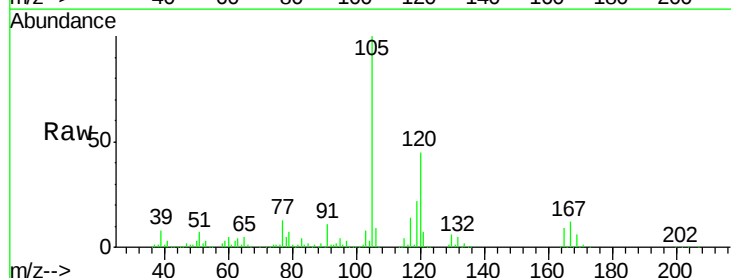
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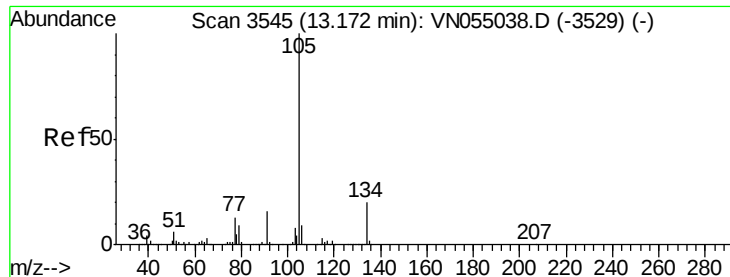
MMDadoda  
 4/19/2019 12:21:18 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 48.204 ug/l  
 RT: 13.04 min Scan# 3503  
 Delta R.T. -0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 821744 |       |       |
| 120     | 45.3  |        | 22.4  | 67.3  |





#85

sec-Butylbenzene

Concen: 47.380 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 917164

Ion Ratio Lower Upper

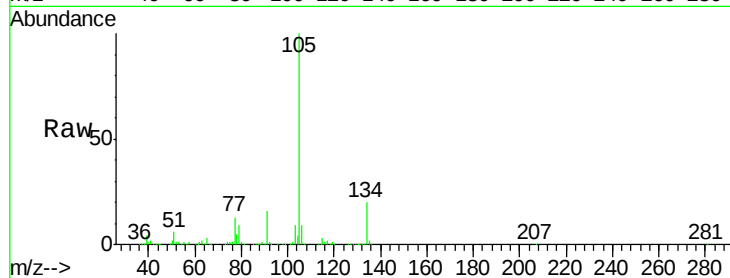
105 100

134 20.0 9.8 29.3

Manual Integrations  
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

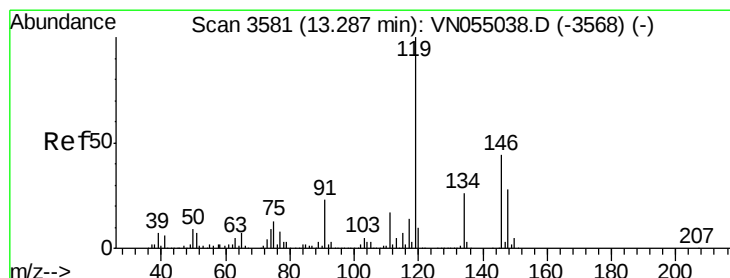
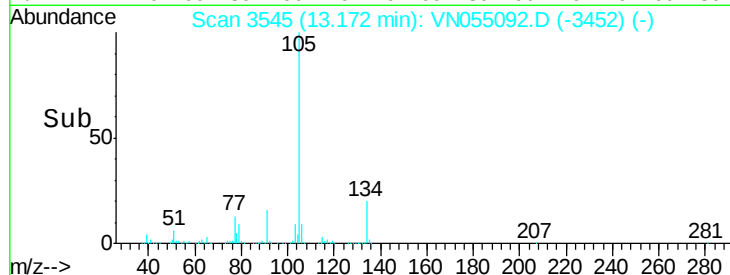
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.967 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

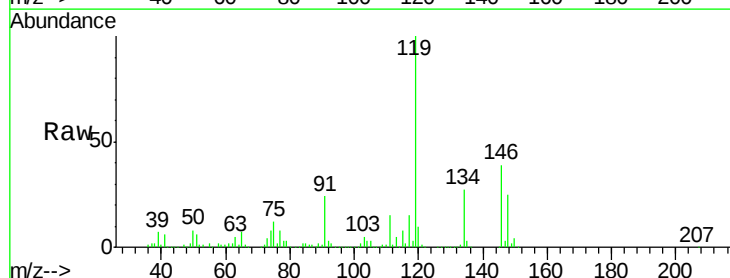
Tgt Ion:119 Resp: 813212

Ion Ratio Lower Upper

119 100

134 27.0 13.2 39.5

91 23.9 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

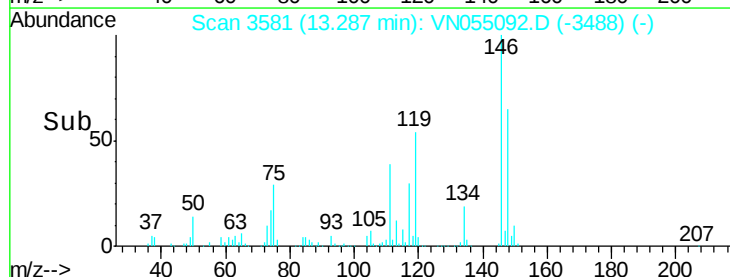
600000

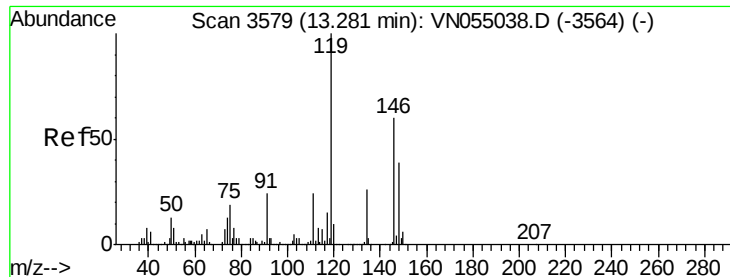
400000

200000

0

Time-->





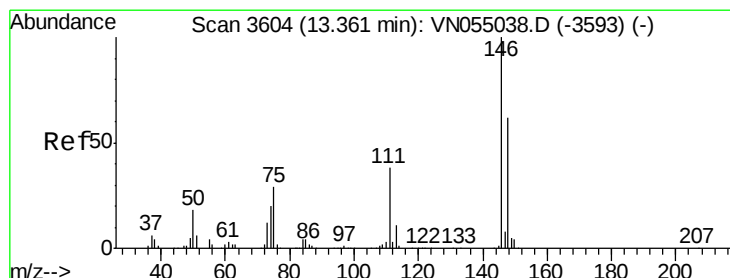
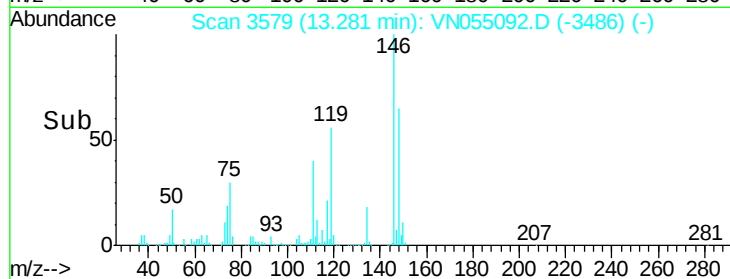
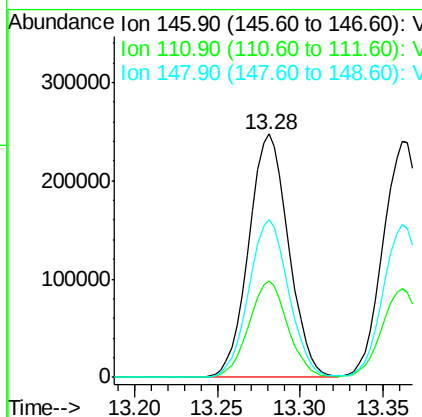
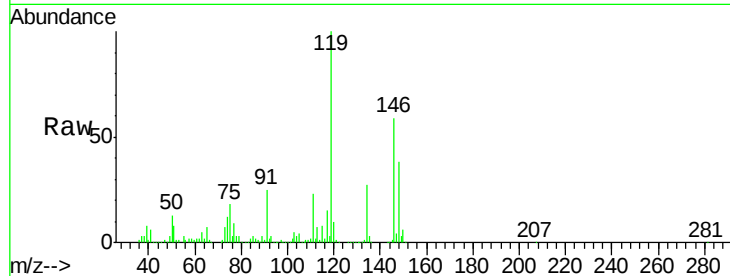
#87  
 1,3-Dichlorobenzene  
 Concen: 49.092 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.7  | 19.5  | 58.5  |
| 148     | 65.0  | 31.6  | 94.7  |

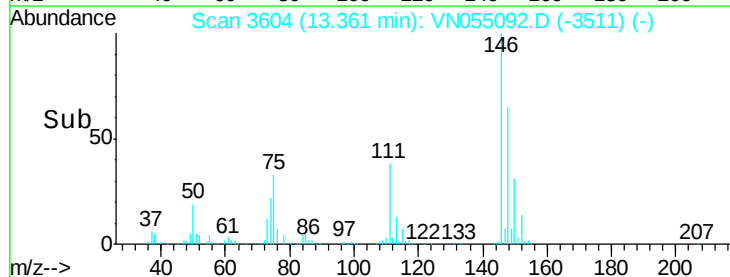
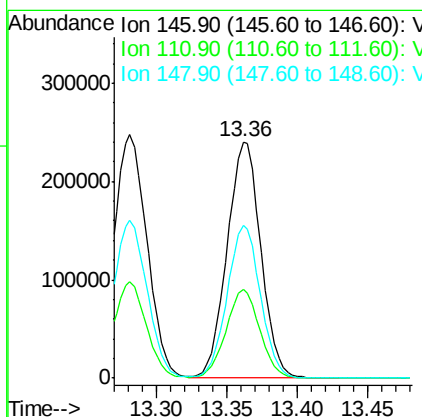
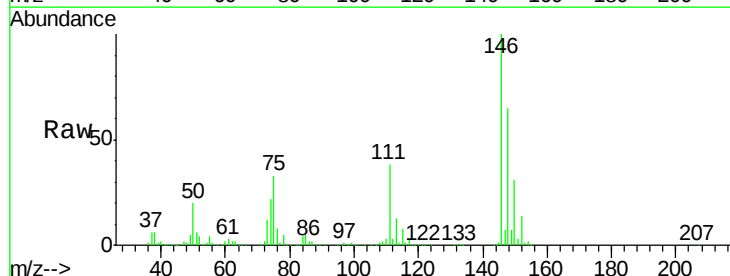
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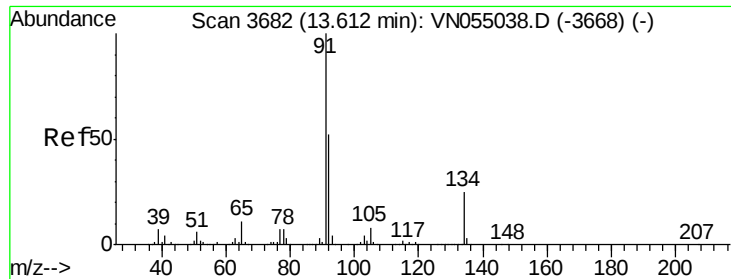
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#88  
 1,4-Dichlorobenzene  
 Concen: 49.961 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.6  | 18.8  | 56.4  |
| 148     | 63.8  | 32.4  | 97.2  |





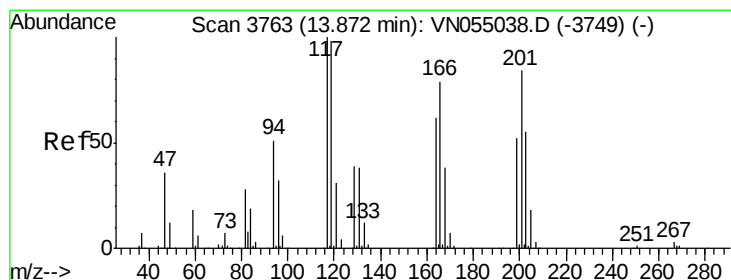
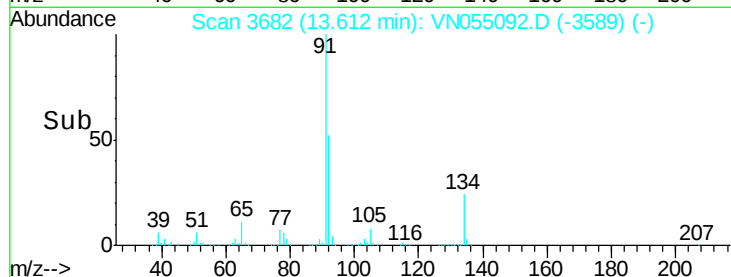
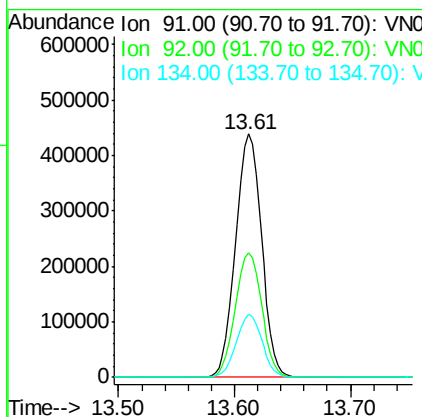
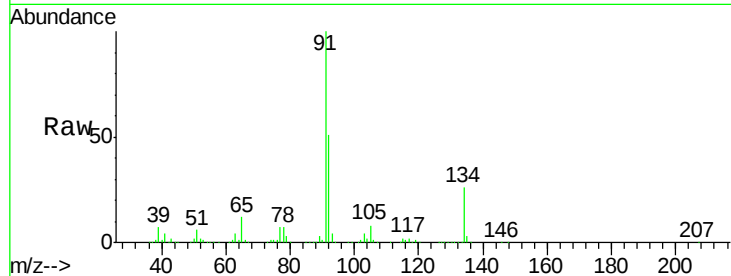
#89  
n-Butylbenzene  
Concen: 55.100 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.1  | 25.9  | 77.7  |
| 134     | 25.6  | 12.8  | 38.3  |

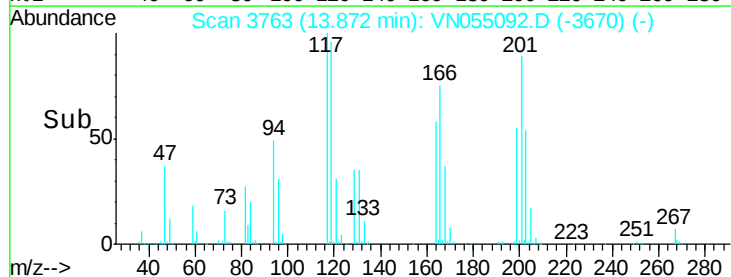
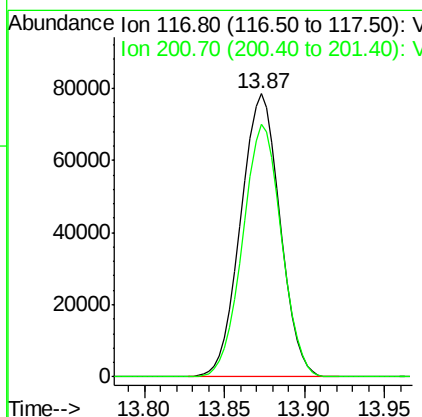
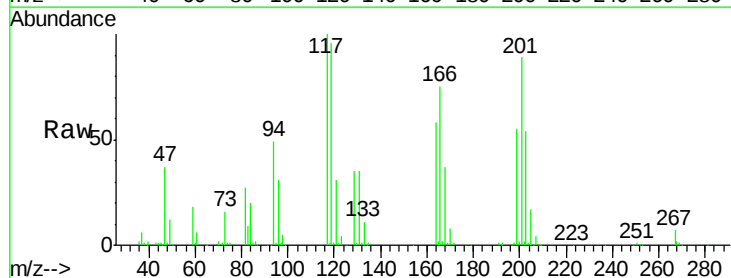
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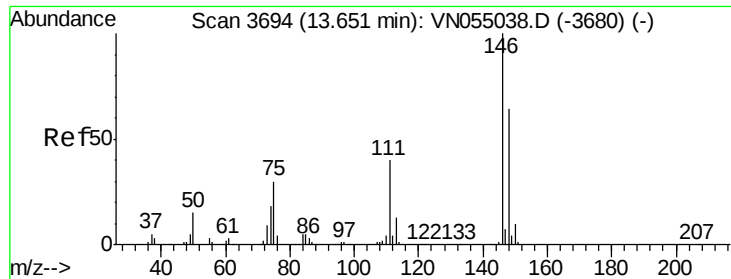
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#90  
Hexachloroethane  
Concen: 48.593 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055092.D  
Acq: 17 Apr 2019 8:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.0  | 43.4  | 130.2 |





#91

1,2-Dichlorobenzene

Concen: 47.659 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

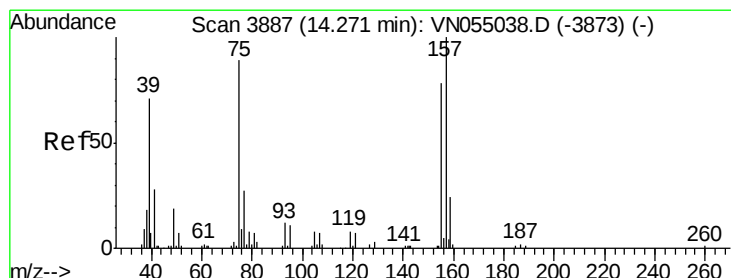
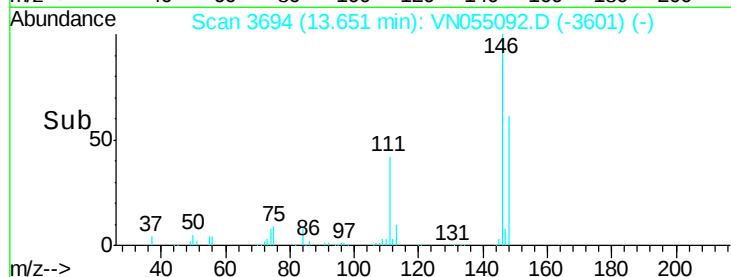
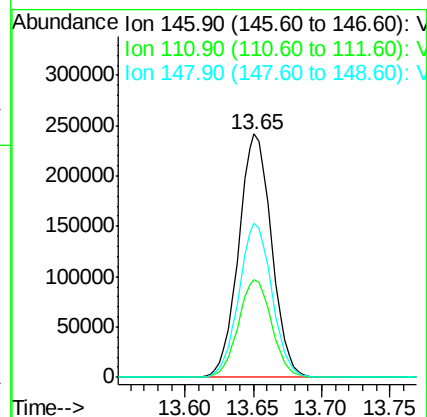
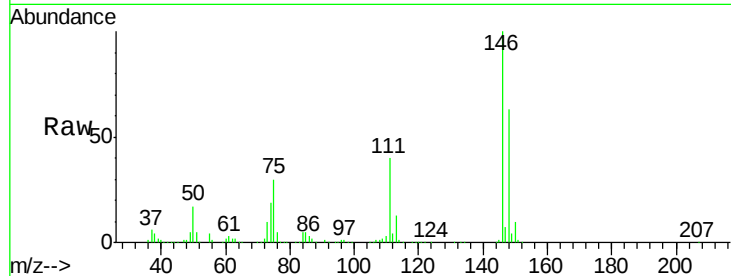
ClientSampleId :

VSTDCCC050

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 146  | Resp: | 405033 |
| Ion Ratio |      | Lower | Upper  |
| 146       | 100  |       |        |
| 111       | 40.7 | 20.3  | 60.9   |
| 148       | 63.3 | 32.2  | 96.6   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 42.531 ug/l

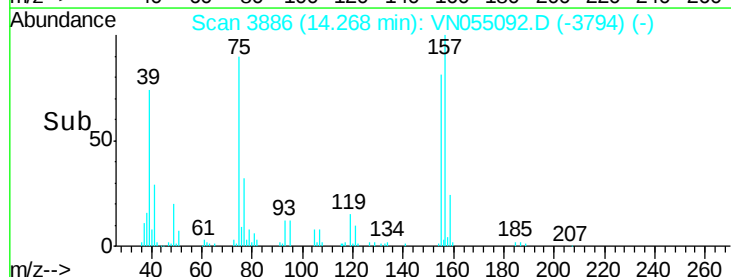
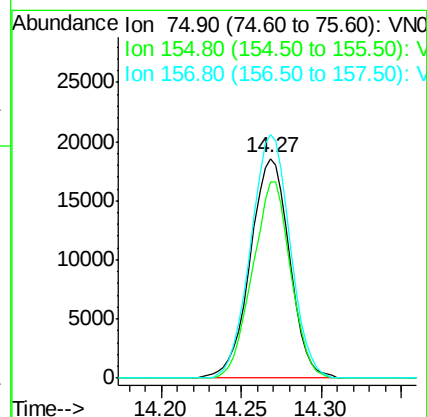
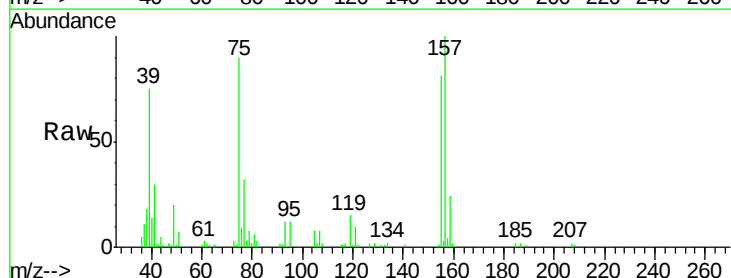
RT: 14.27 min Scan# 3886

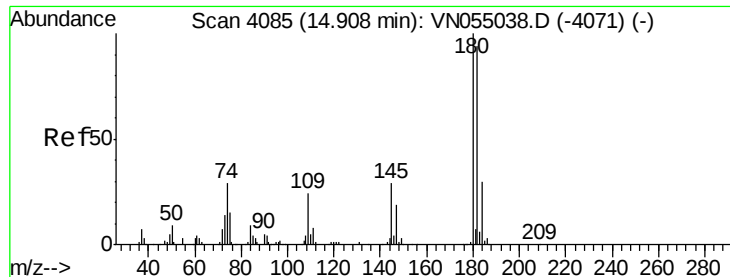
Delta R.T. -0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 31238 |
| Ion Ratio |       | Lower | Upper |
| 75        | 100   |       |       |
| 155       | 86.7  | 42.0  | 126.0 |
| 157       | 110.9 | 52.1  | 156.4 |





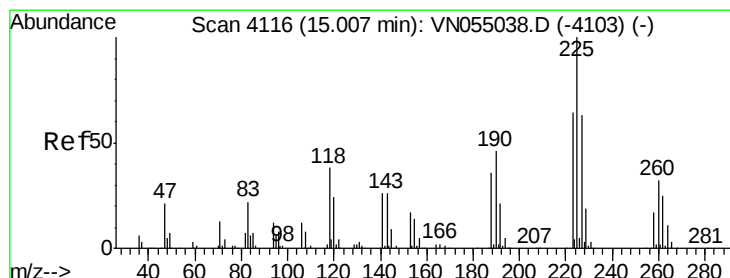
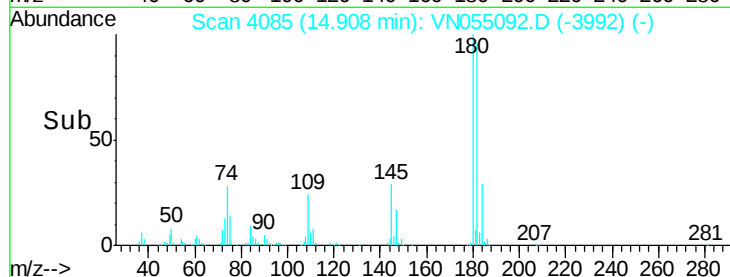
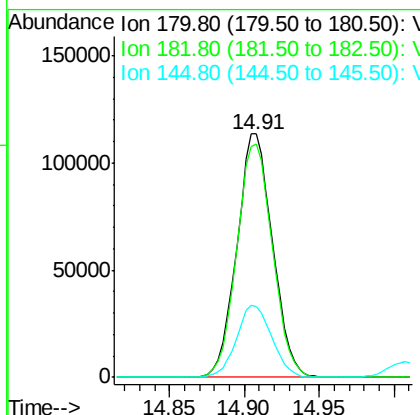
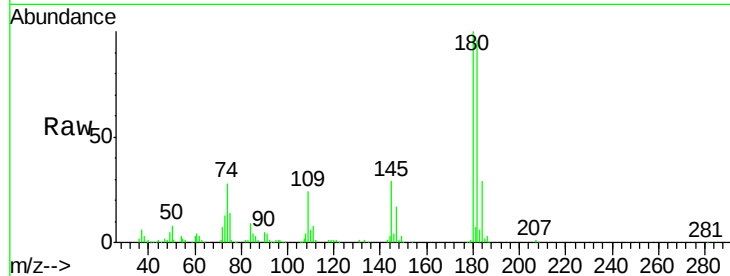
#93  
 1,2,4-Trichlorobenzene  
 Concen: 48.867 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 188007 |       |       |
| 182     | 96.0  | 47.5   | 142.6 |       |
| 145     | 29.2  | 14.2   | 42.8  |       |

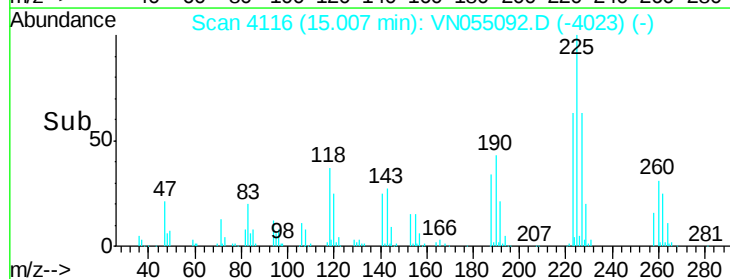
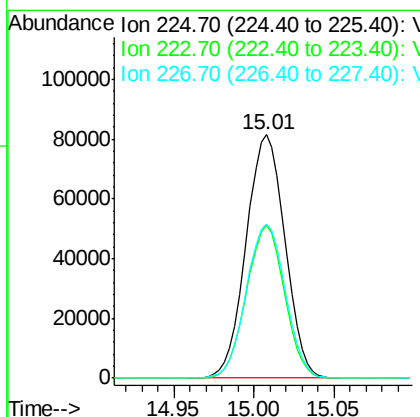
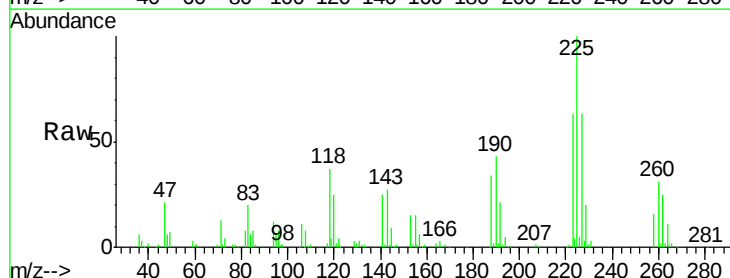
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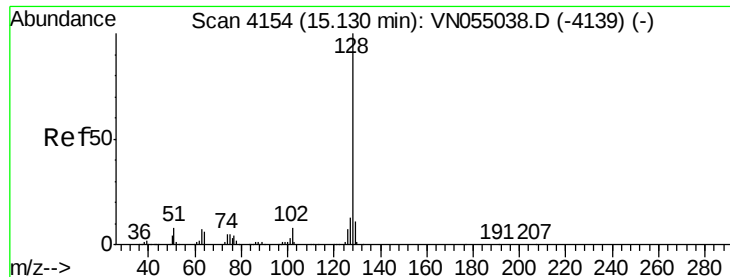
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#94  
 Hexachlorobutadiene  
 Concen: 51.544 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055092.D  
 Acq: 17 Apr 2019 8:59

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 135298 |       |       |
| 223     | 61.3  | 31.4   | 94.0  |       |
| 227     | 63.8  | 32.6   | 97.7  |       |





#95

Naphthalene

Concen: 41.508 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

Instrument :

MSVOA\_N

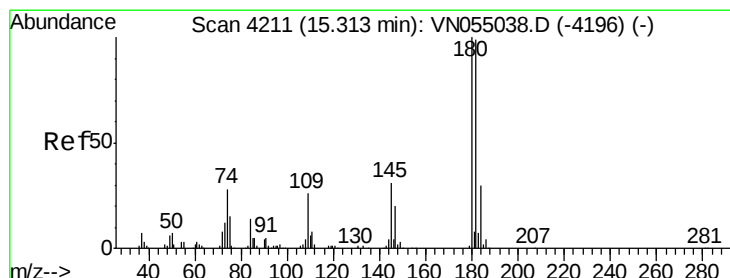
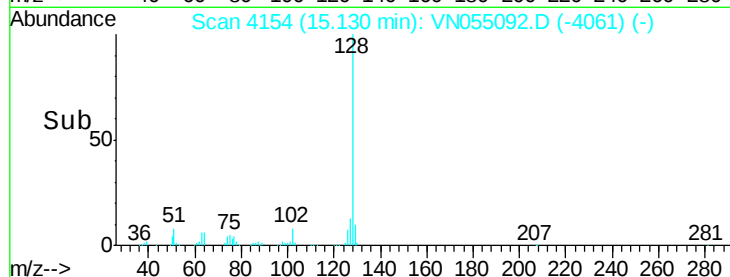
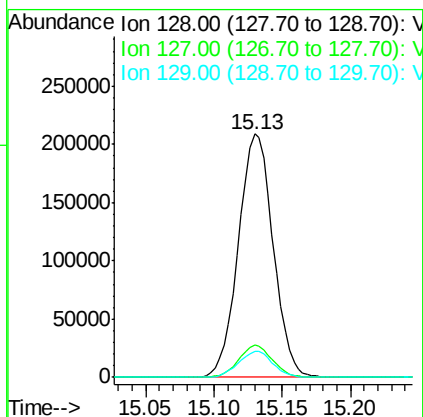
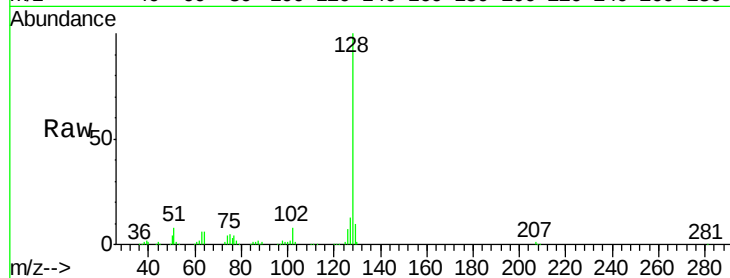
ClientSampleId :

VSTDCCC050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 369059 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.9  | 10.1  | 15.1   |
| 129       | 10.5  | 8.8   | 13.2   |

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#96

1,2,3-Trichlorobenzene

Concen: 55.798 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055092.D

Acq: 17 Apr 2019 8:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 182934 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.9  | 48.0  | 144.0  |
| 145       | 31.1  | 15.3  | 45.9   |

